CDX-R5715X/R5810/R6750

SERVICE MANUAL

Ver. 1.1 2005.07

US Model
Canadian Model
CDX-R5715X
AEP Model
UK Model
CDX-R6750
E Model
CDX-R5810

Photo: CDX-R6750

• The tuner and CD sections have no adjustments.

AUDIO POWER SPECIFICATIONS (US MODEL)
POWER OUTPUT AND TOTAL HARMONIC DISTORTION
23.2 watts per channel minimum continuous average power into 4 ohms, 4 channels driven from 20 Hz to 20 kHz with no more than 5% total harmonic distortion.

Model Name Using Similar Mechanism	CDX-R5515X/R5610/R6550
CD Drive Mechanism Type	MG-611TA-186//K
Optical Pick-up Name	KSS1000E

SPECIFICATIONS

CD player section

Signal-to-noise ratio	120 dB
Frequency response	10 – 20,000 Hz
Wow and flutter	Below measurable limit

Tuner section

FM

Tuning range	CDX-R5715X: 87.5 – 107.9 MHz CDX-R5810: 87.5 – 108.0 MHz (at 50 kHz step) 87.5 – 107.9 MHz (at 200 kHz step) CDX-R6750: 87.5 – 108 MHz
FM tuning interval	50 kHz/200 kHz switchable
Antenna terminal	External antenna connector
Intermediate frequency	10.7 MHz/450 kHz
Usable sensitivity	9 dBf
Selectivity	75 dB at 400 kHz
Signal-to-noise ratio	67 dB (stereo), 69 dB (mono)
Harmonic distortion at 1 kHz	0.5% (stereo), 0.3% (mono)
Separation	35 dB at 1 kHz
Frequency response	30 – 15,000 Hz

AM (CDX-R5715X)

Tuning range	530 – 1,710 kHz
Antenna terminal	External antenna connector
Intermediate frequency	10.7 MHz/450 kHz
Sensitivity	30 µV

AM (CDX-R5810)

Tuning range	531 – 1,602 kHz (at 9 kHz step) 530 – 1,710 kHz (at 10 kHz step)
AM tuning interval	9 kHz/10 kHz switchable
Aerial terminal	External aerial connector
Intermediate frequency	10.7 MHz/450 kHz
Sensitivity	30 µV

MW/LW (CDX-R6750)

Tuning range	MW: 531 – 1,602 kHz LW: 153 – 279 kHz
Antenna terminal	External antenna connector
Intermediate frequency	10.7 MHz/450 kHz
Sensitivity	MW: 30 µV LW: 40 µV

Power amplifier section

Outputs	Speaker outputs (sure seal connectors)
Speaker impedance	4 – 8 ohms
Maximum power output	52 W × 4 (at 4 ohms)

– Continued on next page –

FM/AM COMPACT DISC PLAYER
CDX-R5715X/R5810
FM/MW/LW COMPACT DISC PLAYER
CDX-R6750

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e Vehicle Group
Published by Sony Engineering Corporation

SONY®

General

Outputs	Audio outputs terminal (front/rear) Subwoofer output terminal (mono) Power antenna relay control terminal Power amplifier control terminal
Inputs	Telephone ATT control terminal Illumination control terminal BUS control input terminal BUS audio input/AUX IN terminal Remote controller input terminal Antenna input terminal
Tone controls	CDX-R5715X: Bass: ±10 dB at 62 Hz Treble: ±10 dB at 16 kHz CDX-R5810/R6750: Bass: ±8 dB at 100 Hz Treble: ±8 dB at 10 kHz
Loudness	+8 dB at 100 Hz +2 dB at 10 kHz
Power requirements	12 V DC car battery (negative ground)
Dimensions	Approx. 178 × 50 × 182 mm (7 1/8 × 2 × 7 1/4 in.) (w/h/d)
Mounting dimensions	Approx. 182 × 53 × 161 mm (7 1/4 × 2 1/8 × 6 3/8 in.) (w/h/d)
Mass	Approx. 1.2 kg (2 lb. 10 oz.)
Supplied accessories	Parts for installation and connections (1 set) Front panel case (1) Card remote commander RM-X153 (CDX-R5715X) Card remote commander RM-X157 (CDX-R5810) Card remote commander RM-X155 (CDX-R6750)

US and foreign patents licensed from Dolby Laboratories.

Note

This unit cannot be connected to a digital preamplifier or an equalizer which is Sony BUS system compatible.

Design and specifications are subject to change without notice.

SERVICE NOTES

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

Notes on Chip Component Replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

TEST DISCS

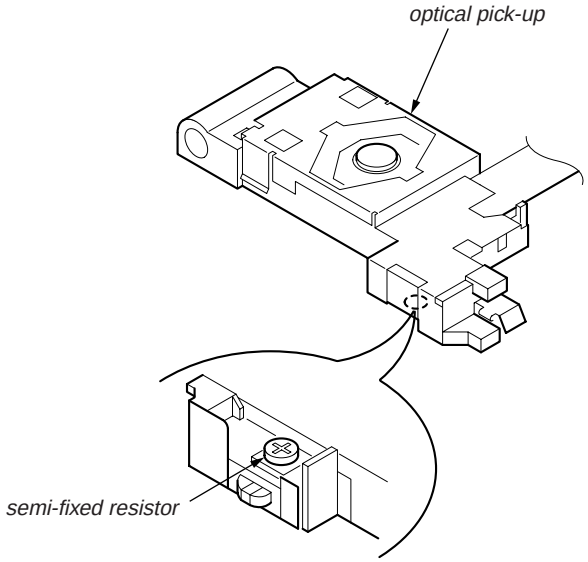
This set can playback CD-R and CD-ROM discs. The following test discs should be used to check the capability:

CD-R test disc TCD-R082LMT (Part No. J-2502-063-1)
CD-RW test disc TCD-W082L (Part No. J-2502-063-2)

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

If the optical pick-up block is defective, please replace the whole optical pick-up block.
Never turn the semi-fixed resistor located at the side of optical pick-up block.



• CDX-R5810/R6750 model

CLASS 1
LASER PRODUCT

This label is located on the bottom of the chassis.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

• CD Playback:
You can play CD-DA (also containing CD TEXT*[1]), CD-R/CD-RW (MP3 files also containing Multi Session and ATRAC CD (ATRAC3 and ATRAC3plus format).

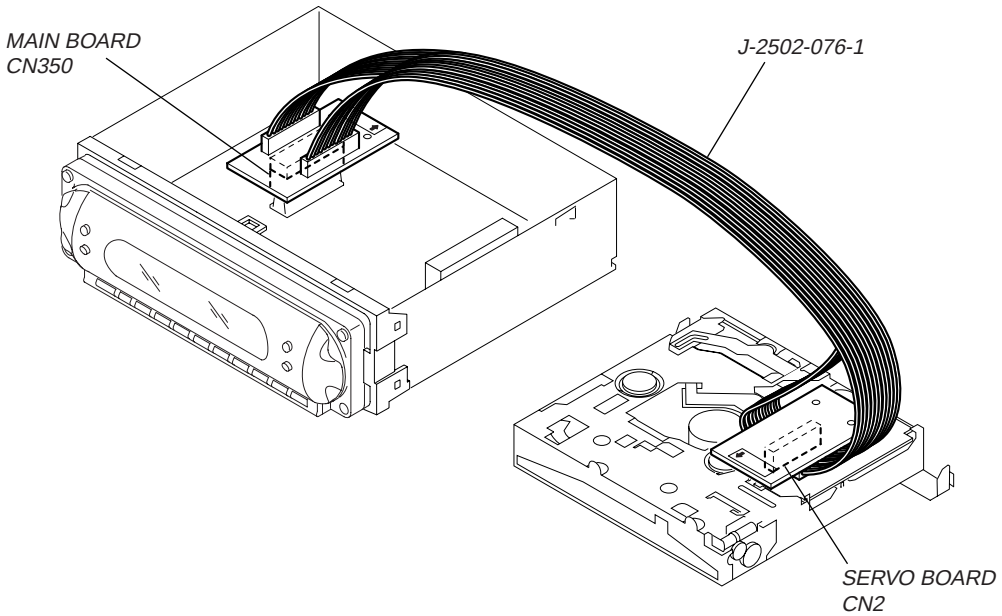
Type of discs	Label on the disc
CD-DA	COMPACT disc DIGITAL AUDIO Recordable COMPACT disc DIGITAL AUDIO ReWritable
MP3 ATRAC CD	COMPACT disc DIGITAL AUDIO Recordable COMPACT disc DIGITAL AUDIO ReWritable COMPACT disc Recordable COMPACT disc ReWritable

*1 A CD TEXT disc is a CD-DA that includes information such as disc, artist and track name.

EXTENSION CABLE AND SERVICE POSITION

When repairing or servicing this set, connect the jig (extension cable) as shown below.

• Connect the MAIN board (CN350) and the SERVO board (CN2) with the extension cable (Part No. J-2502-076-1).



● UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

: LEAD FREE MARK

Unleaded solder has the following characteristics.

• Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.
Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
Soldering irons using a temperature regulator should be set to about 350 °C.
Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!

• Strong viscosity
Unleaded solder is more viscou-s (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.

• Usable with ordinary solder
It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

TABLE OF CONTENTS

1. GENERAL
Location of Controls 5
Connections 6

2. DISASSEMBLY
2-1. Sub Panel (FL) Assy 12
2-2. CD Mechanism Block 12
2-3. Main Board 13
2-4. Chassis (T) Sub Assy 13
2-5. Roller Arm Assy 14
2-6. Chassis (OP) Assy 14
2-7. Optical Pick-up 15
2-8. SL Motor Assy (M902) 15
2-9. LE Motor Assy (M903) 16
2-10. Servo Board 16
2-11. Front Back Panel (FL) 17
2-12. Key Board 17
2-13. Display Section 18
2-14. Spring (M) 18
2-15. Spring (S) 19

3. DIAGRAMS
3-1. Block Diagram –CD Section– 21
3-2. Block Diagram –Main Section– 22
3-3. Block Diagram –Display Section– 23
3-4. Circuit Boards Location 24
3-5. Printed Wiring Boards –CD Mechanism Section– 25
3-6. Schematic Diagram –CD Mechanism Section (1/2)– 26
3-7. Schematic Diagram –CD Mechanism Section (2/2)– 27
3-8. Printed Wiring Board –Main Section– 28
3-9. Schematic Diagram –Main Section (1/4)– 30
3-10. Schematic Diagram –Main Section (2/4)– 31
3-11. Schematic Diagram –Main Section (3/4)– 32
3-12. Schematic Diagram –Main Section (4/4)– 33
3-13. Printed Wiring Board –Display Section– 34
3-14. Printed Wiring Board –Key Section– 35
3-15. Schematic Diagram –Display Section– 36
3-16. Printed Wiring Board
–Preset Section (CDX-R5715X Model)– 37
3-17. Printed Wiring Board
–Preset Section (CDX-R5810/R6750 Model)– 37
3-18. Schematic Diagram –Preset Section– 38

4. EXPLODED VIEWS
4-1. Main Section 46
4-2. Front Panel Section 47
4-3. CD Mechanism Section (1) 48
4-4. CD Mechanism Section (2) 49
4-5. CD Mechanism Section (3) 50
4-6. CD Mechanism Section (4) 51

5. ELECTRICAL PARTS LIST 52

SECTION 1
GENERAL

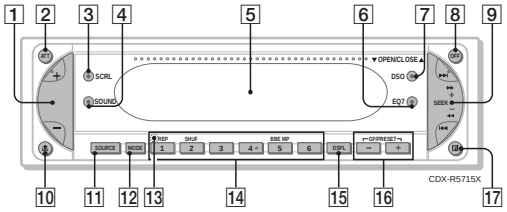
This section is extracted from instruction manual.

• LOCATION OF CONTROLS

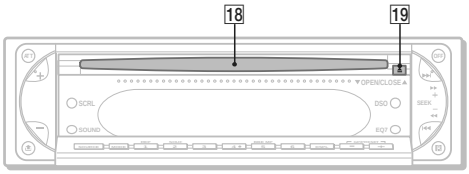
• CDX-R5715X

Location of controls and basic operations

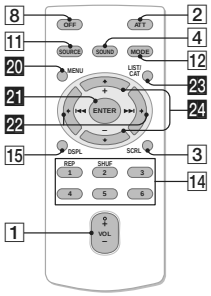
Main unit



OPEN/CLOSE shutter opened



Card remote commander RM-X153



Refer to the pages listed for details. The corresponding buttons on the card remote commander control the same functions as those on the unit.

1 **Volume +/– button**
To adjust volume.

2 **ATT (attenuate) button**
To attenuate the sound. To cancel, press again.

3 **SCRL (scroll) button** 8
To scroll the display item.

4 **SOUND button** 9
To select sound items.

5 **Display window**

6 **EQ7 (equalizer) button** 2
To select an equalizer type (Xplod, Vocal, Club, Jazz, New Age, Rock, Custom or off).

7 **DSO button** 2
To select the DSO mode (1, 2, 3 or off). The larger the number, the more enhanced the effect.

8 **OFF button**
To power off/stop the source.

9 **SEEK +/– button**
Radio:
To tune in stations automatically (press); find a station manually (press and hold).
CD:
To skip tracks (press); skip tracks continuously (press, then press again within about 1 second and hold); fast-forward/reverse a track (press and hold).

10 ⏏ **(front panel release) button** 4

11 **SOURCE button**
To power on/change the source (Radio/CD/MD*1/AUX*2).

12 **MODE button** 8, 11
To select the radio band (FM/AM)/select the unit*3.

13 **RESET button** (located behind the front panel) 4

14 **Number buttons**
Radio:
To receive stored stations (press); store stations (press and hold).
CD/MD*1:
(1): **REP** 8
(2): **SHUF** 8
(5): **BBE MP***4 2
To activate the BBE MP function, to set "BBE MP-on" during playback on this unit. To cancel, set "BBE MP-off."

15 **DSPL (display) button** 8, 10
To change display items.

16 **GP*5/PRESET –/+ buttons**
To select preset stations/skip groups (press); skip groups continuously (press and hold).

17 **Receptor for the card remote commander**

18 **Disc slot** 5
To insert the disc.

19 ⏏ **(eject) button** 5
To eject the disc.

The following buttons on the card remote commander have also different buttons/functions from the unit.

20 **MENU button**
To enter menu.

21 **ENTER button**
To complete a setting.

22 **← (I◄◄)/→ (►►I) buttons**
To control radio/CD, the same as (SEEK) +/– on the unit.

23 **LIST/CAT*6 button** 9, 12
To list up.

24 **↑ (+)/↓ (–) buttons**
To control radio/CD, the same as (GP/PRESET) –/+ on the unit.

*1 *When an MD changer is connected.*
*2 *When an optional Sony portable device is connected.*
*3 *When a CD/MD changer is connected.*
*4 *The unit only.*
*5 *When an MP3/ATRAC CD is played and a changer is not connected. If the changer is connected, the operation is different, see page 11.*
*6 *When the XM tuner is connected.*

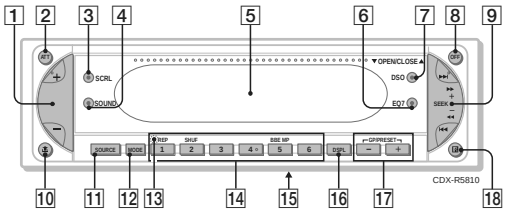
Note
If the unit is turned off and the display disappears, it cannot be operated with the card remote commander unless (SOURCE) on the unit is pressed, or a disc is inserted to activate the unit first.

Tip
For details on how to replace the battery, see "Replacing the lithium battery of the card remote commander" on page 14.

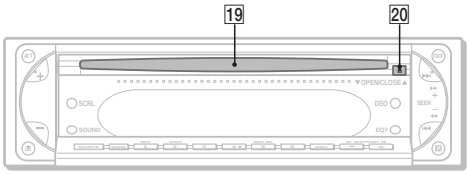
• CDX-R5810

Location of controls and basic operations

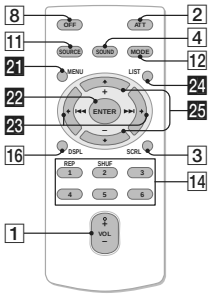
Main unit



OPEN/CLOSE shutter opened



Card remote commander RM-X157



Refer to the pages listed for details. The corresponding buttons on the card remote commander control the same functions as those on the unit.

1 **Volume +/– button**
To adjust volume.

2 **ATT (attenuate) button**
To attenuate the sound. To cancel, press again.

3 **SCRL (scroll) button** 8
To scroll the display item.

4 **SOUND button** 9
To select sound items.

5 **Display window**

6 **EQ7 (equalizer) button** 2
To select an equalizer type (Xplod, Vocal, Club, Jazz, New Age, Rock, Custom or off).

7 **DSO button** 2
To select the DSO mode (1, 2, 3 or off). The larger the number, the more enhanced the effect.

8 **OFF button**
To power off/stop the source.

9 **SEEK +/– button**
Radio:
To tune in stations automatically (press); find a station manually (press and hold).
CD:
To skip tracks (press); skip tracks continuously (press, then press again within about 1 second and hold); fast-forward/reverse a track (press and hold).

10 ⏏ **(front panel release) button** 4

11 **SOURCE button**
To power on/change the source (Radio/CD/MD*1/AUX*2).

12 **MODE button** 8, 12
To select the radio band (FM/AM)/select the unit*3.

13 **RESET button** (located behind the front panel) 4

14 **Number buttons**
Radio:
To receive stored stations (press); store stations (press and hold).
CD/MD*1:
(1): **REP** 8
(2): **SHUF** 8
(5): **BBE MP***4 2
To activate the BBE MP function, to set "BBE MP-on" during playback on this unit. To cancel, set "BBE MP-off."

15 **Frequency select switch (located on the bottom of the unit)**
See "Frequency Select switch" in the supplied installation/connections manual.

16 **DSPL (display) button** 8, 10
To change display items.

17 **GP*5/PRESET –/+ buttons**
To select preset stations/skip groups (press); skip groups continuously (press and hold).

18 **Receptor for the card remote commander**

19 **Disc slot** 5
To insert the disc.

20 ⏏ **(eject) button** 5
To eject the disc.

The following buttons on the card remote commander have also different buttons/functions from the unit.

21 **MENU button**
To enter menu.

22 **ENTER button**
To complete a setting.

23 **← (I◄◄)/→ (►►I) buttons**
To control radio/CD, the same as (SEEK) +/– on the unit.

24 **LIST button** 9, 12
To list up.

25 **↑ (+)/↓ (–) buttons**
To control radio/CD, the same as (GP/PRESET) –/+ on the unit.

*1 *When an MD changer is connected.*
*2 *When an optional Sony portable device is connected.*
*3 *When a CD/MD changer is connected.*
*4 *The unit only.*
*5 *When an MP3/ATRAC CD is played and a changer is not connected. If the changer is connected, the operation is different, see page 12.*

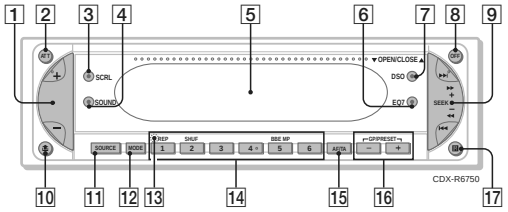
Note
If the unit is turned off and the display disappears, it cannot be operated with the card remote commander unless (SOURCE) on the unit is pressed, or a disc is inserted to activate the unit first.

Tip
For details on how to replace the battery, see "Replacing the lithium battery of the card remote commander" on page 15.

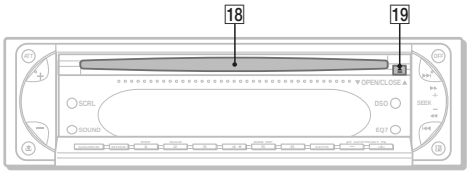
• CDX-R6750

Location of controls and basic operations

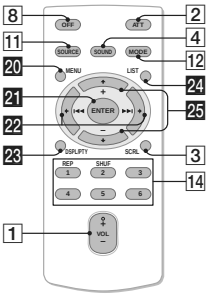
Main unit



OPEN/CLOSE shutter opened



Card remote commander RM-X155



Refer to the pages listed for details. The corresponding buttons on the card remote commander control the same functions as those on the unit.

1 **Volume +/– button**
To adjust volume.

2 **ATT (attenuate) button**
To attenuate the sound. To cancel, press again.

3 **SCRL (scroll) button** 8
To scroll the display item.

4 **SOUND button** 11
To select sound items.

5 **Display window**

6 **EQ7 (equalizer) button** 2
To select an equalizer type (Xplod, Vocal, Club, Jazz, New Age, Rock, Custom or off).

7 **DSO button** 2
To select the DSO mode (1, 2, 3 or off). The larger the number, the more enhanced the effect.

8 **OFF button**
To power off/stop the source.

9 **SEEK +/– button**
Radio:
To tune in stations automatically (press); find a station manually (press and hold).
CD:
To skip tracks (press); skip tracks continuously (press, then press again within about 1 second and hold); fast-forward/reverse a track (press and hold).

10 ⏏ **(front panel release) button** 4

11 **SOURCE button**
To power on/change the source (Radio/CD/MD*1/AUX*2).

12 **MODE button** 8, 12
To select the radio band (FM/MW/LW)/select the unit*3.

13 **RESET button** (located behind the front panel) 4

14 **Number buttons**
Radio:
To receive stored stations (press); store stations (press and hold).
CD/MD*1:
(1): **REP** 8
(2): **SHUF** 8
(5): **BBE MP***4 2
To activate the BBE MP function, to set "BBE MP-on" during playback on this unit. To cancel, set "BBE MP-off."

15 **AF (Alternative Frequencies)/TA (Traffic Announcement) button** 9
To set AF and TA/TP in RDS.

16 **GP*5/PRESET –/+ buttons**
To select preset stations/skip groups (press); skip groups continuously (press and hold).

17 **Receptor for the card remote commander**

18 **Disc slot** 5
To insert the disc.

19 ⏏ **(eject) button** 5
To eject the disc.

The following buttons on the card remote commander have also different buttons/functions from the unit.

20 **MENU button**
To enter menu.

21 **ENTER button**
To complete a setting.

22 **⏮ (I◀◀)/⏭ (▶▶I) buttons**
To control radio/CD, the same as (SEEK) +/– on the unit.

23 **DSPL (display)/PTY (Programme Type) button** 8, 10, 13
To change display items; to select PTY in RDS.

24 **LIST button** 9, 13
To list up.

25 **⏫ (+)/⏬ (–) buttons**
To control radio/CD, the same as (GP/PRESET) –/+ on the unit.

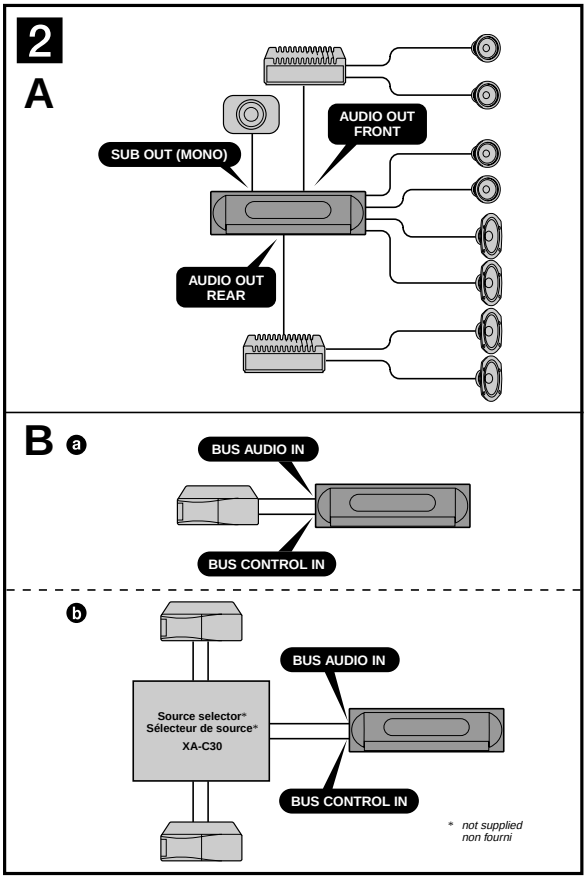
*1 *When an MD changer is connected.*
*2 *When an optional Sony portable device is connected.*
*3 *When a CD/MD changer is connected.*
*4 *The unit only.*
*5 *When an MP3/ATRAC CD is played and a changer is not connected. If the changer is connected, the operation is different, see page 12.*

Note
If the unit is turned off and the display disappears, it cannot be operated with the card remote commander unless (SOURCE) on the unit is pressed, or a disc is inserted to activate the unit first.

Tip
For details on how to replace the battery, see "Replacing the lithium battery of the card remote commander" on page 16.

• CONNECTIONS

• CDX-R5715X



Connection example (2)

***Notes* (2-A)**
- *Be sure to connect the ground lead before connecting the amplifier.*
- *The alarm will only sound if the built-in amplifier is used.*

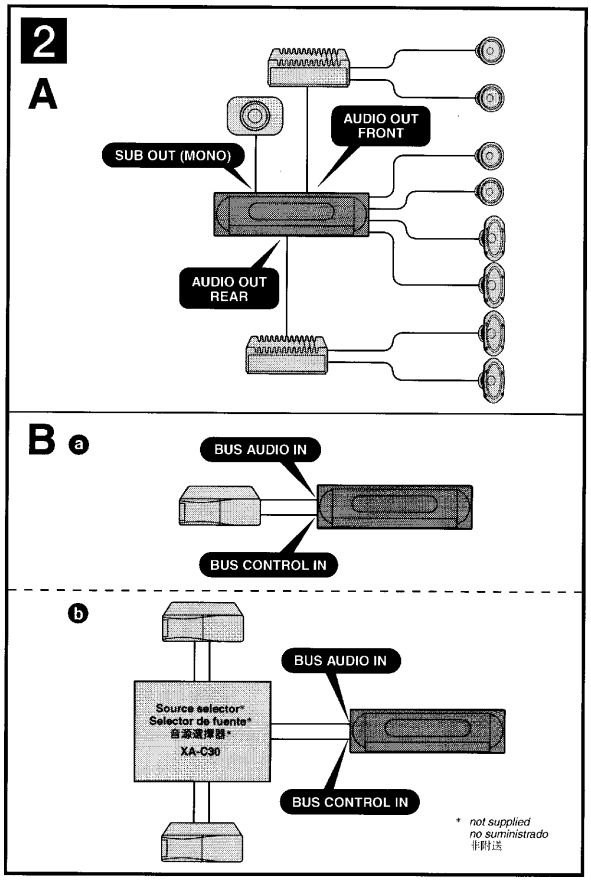
***Tip* (2-B-ⓑ)**
For connecting two or more CD/MD changers, the source selector XA-C30 (optional) is necessary.

Exemple de raccordement (2)

***Remarques* (2-A)**
- *Raccordez d'abord le câble de mise à la masse avant de raccorder l'amplificateur.*
- *L'alarme est émise uniquement lorsque l'amplificateur intégré est utilisé.*

***Conseil* (2-B-ⓑ)**
Dans le cas du raccordement de deux changeurs de CD/MD ou plus, le sélecteur de source XA-C30 (en option) est requis.

• **CDX-R5810**



Connection example (2)

Notes **(2-A)**
- *Be sure to connect the earth lead before connecting the amplifier.*
- *The alarm will only sound if the built-in amplifier is used.*

Tip **(2-B-b)**
For connecting two or more CD/MD changers, the source selector XA-C30 (optional) is necessary.

Ejemplo de conexiones (2)

Notas **(2-A)**
- *Asegúrese de conectar primero el cable de conexión a masa antes de realizar la conexión del amplificador.*
- *La alarma sonará únicamente si se utiliza el amplificador incorporado.*

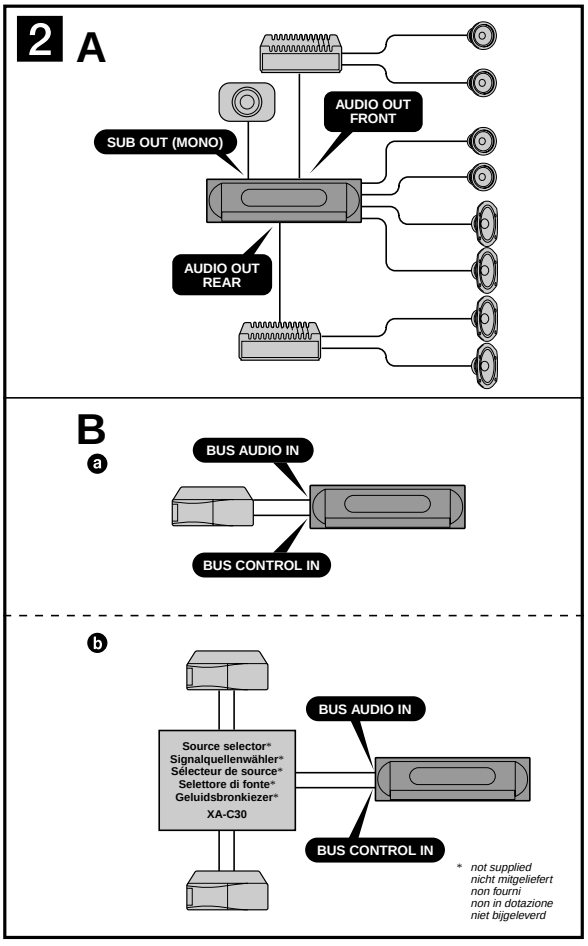
Sugerencia **(2-B-b)**
Si desea conectar dos o más cambiadores de CD/MD, necesitará el selector de fuente XA-C30 (opcional).

線路連接圖例（2）

註（2-A）
- 務必在接放大器之前連接地線。
- 如果使用內建放大器，報警器將只發出一聲報警聲。

提示（2-B-b）
若要連接 2 台或更多 CD/MD 換碟機時，必須使用音源選擇器 XA-C30（選購件）。

• **CDX-R6750**



Connection example (2)

Notes **(2-A)**
- *Be sure to connect the earth lead before connecting the amplifier.*
- *The alarm will only sound if the built-in amplifier is used.*

Tip **(2-B-b)**
For connecting two or more CD/MD changers, the source selector XA-C30 (optional) is necessary.

Anschlussbeispiel (2)

Hinweise **(2-A)**
- *Schließen Sie unbedingt zuerst das Massekabel an, bevor Sie den Verstärker anschließen.*
- *Der Signalton wird nur ausgegeben, wenn der integrierte Verstärker verwendet wird.*

Tipp **(2-B-b)**
Zum Anschließen von zwei oder mehr CD/MD-Wechslern wird der gesondert erhältliche Signalquellenwähler XA-C30 benötigt.

Exemple de raccordement (2)

Remarques **(2-A)**
- *Raccordez d'abord le câble de mise à la masse avant de connecter l'amplificateur.*
- *Un bip sera émis uniquement lorsque l'amplificateur intégré est utilisé.*

Conseil **(2-B-b)**
Dans le cas du raccordement de deux changeurs de CD/MD ou plus, le sélecteur de source XA-C30 (en option) est indispensable.

Esempio di collegamento (2)

Note **(2-A)**
- *Assicurarsi di collegare il cavo di terra prima di collegare l'apparecchio all'amplificatore.*
- *Il segnale acustico viene emesso solo se viene utilizzato l'amplificatore incorporato.*

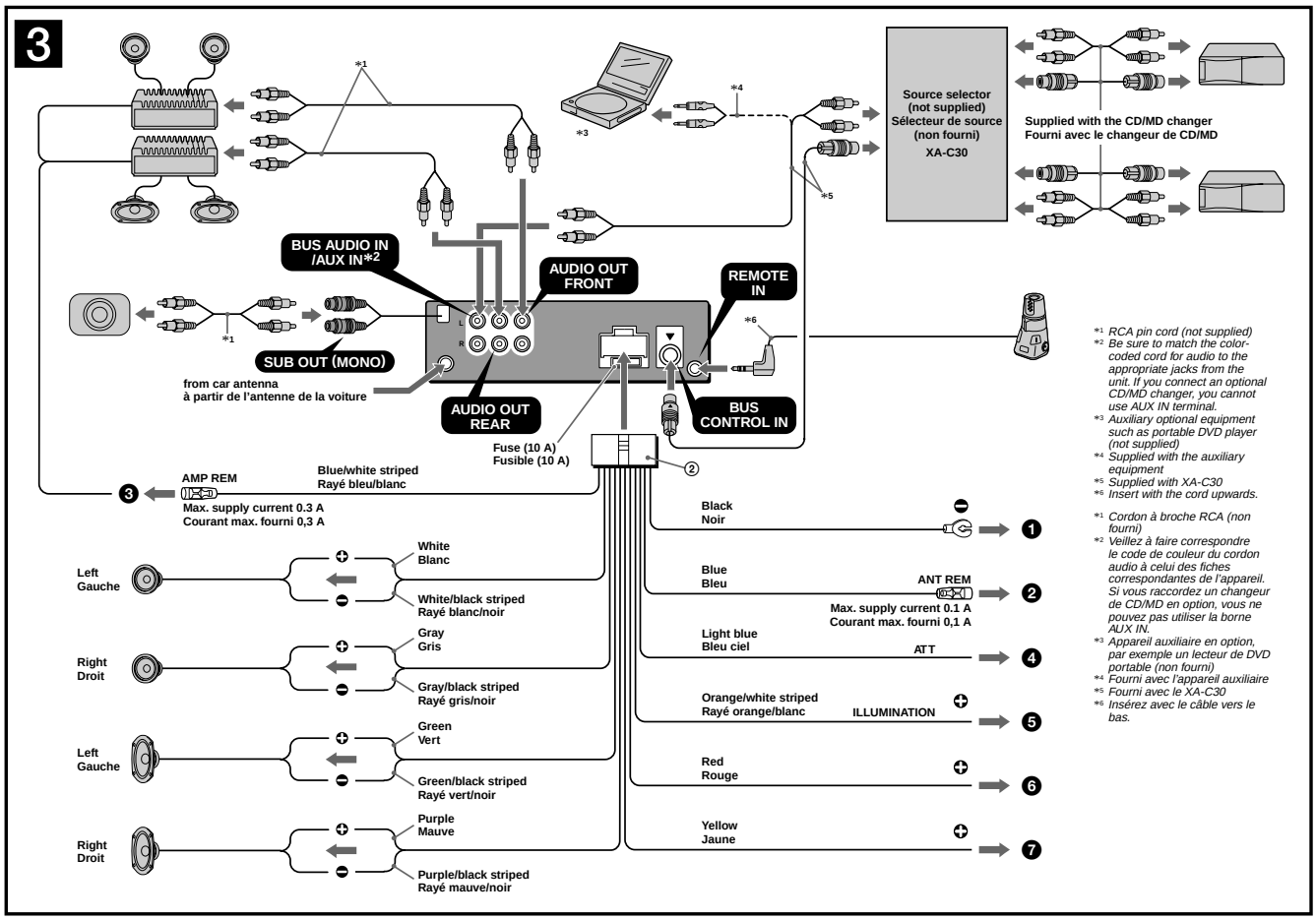
Suggerimento **(2-B-b)**
Per collegare due o più cambia CD/MD, si deve utilizzare il selettore di fonte XA-C30 (opzionale).

Voorbeeldaansluitingen (2)

Opmerkingen **(2-A)**
- *Sluit eerst de aarddraad aan voordat u de versterker aansluit.*
- *U hoort de pieptoon alleen als de ingebouwde versterker wordt gebruikt.*

Tip **(2-B-b)**
Om twee of meer CD/MD-wisselaars aan te sluiten, hebt u de geluidsbronkiezer XA-C30 (optioneel) nodig.

• **CDX-R5715X**



*1 *RCA pin cord (not supplied)*
*2 *Be sure to match the color-coded cord for audio to the appropriate jacks from the unit. If you connect an optional CD/MD changer, you cannot use AUX IN terminal.*
*3 *Auxiliary optional equipment such as portable DVD player (not supplied)*
*4 *Supplied with the auxiliary equipment*
*5 *Supplied with XA-C30*
*6 *Insert with the cord upwards.*

*1 *Cordon à broche RCA (non fourni)*
*2 *Veillez à faire correspondre le code de couleur du cordon audio à celui des fiches correspondantes de l'appareil. Si vous raccordez un changeur de CD/MD en option, vous ne pouvez pas utiliser la borne AUX IN.*
*3 *Appareil auxiliaire en option, par exemple un lecteur de DVD portable (non fourni)*
*4 *Fourni avec l'appareil auxiliaire*
*5 *Fourni avec le XA-C30*
*6 *Insérez avec le câble vers le bas.*

Connection diagram (3)

❶ To a metal surface of the car
First connect the black ground lead, then connect the orange/white striped, yellow, and red power input leads.

❷ To the power antenna control lead or power supply lead of antenna booster amplifier
Notes
- *It is not necessary to connect this lead if there is no power antenna or antenna booster, or with a manually-operated telescopic antenna.*
- *When your car has a built-in FM/AM antenna in the rear/side glass, see "Notes on the control and power supply leads."*

❸ To AMP REMOTE IN of an optional power amplifier
This connection is only for amplifiers. Connecting any other system may damage the unit.

❹ To the interface cable of a car telephone

❺ To a car's illumination signal
Be sure to connect the black ground lead to a metal surface of the car first.

❻ To the +12 V power terminal which is energized in the accessory position of the ignition key switch
Notes
- *If there is no accessory position, connect to the +12 V power (battery) terminal which is energized at all times. Be sure to connect the black ground lead to a metal surface of the car first.*
- *When your car has a built-in FM/AM antenna in the rear/side glass, see "Notes on the control and power supply leads."*

❼ To the +12 V power terminal which is energized at all times
Be sure to connect the black ground lead to a metal surface of the car first.

Notes on the control and power supply leads
- *The power antenna control lead (blue) supplies +12 V DC when you turn on the tuner.*
- *When your car has built-in FM/AM antenna in the rear/side glass, connect the power antenna control lead (blue) or the accessory power input lead (red) to the power terminal of the existing antenna booster. For details, consult your dealer.*
- *A power antenna without a relay box cannot be used with this unit.*

Memory hold connection
When the yellow power input lead is connected, power will always be supplied to the memory circuit even when the ignition switch is turned off.

Notes on speaker connection
- *Before connecting the speakers, turn the unit off.*
- *Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities to avoid its damage.*
- *Do not connect the speaker terminals to the car chassis, or connect the terminals of the right speakers with those of the left speaker.*
- *Do not connect the ground lead of this unit to the negative (–) terminal of the speaker.*
- *Do not attempt to connect the speakers in parallel.*
- *Connect only passive speakers. Connecting active speakers (with built-in amplifiers) to the speaker terminals may damage the unit.*
- *To avoid a malfunction, do not use the built-in speaker leads installed in your car if the unit shares a common negative (–) lead for the right and left speakers.*
- *Do not connect the unit's speaker leads to each other.*

Note on connection
If speaker and amplifier are not connected correctly, "FAILURE" appears in the display. In this case, make sure the speaker and amplifier are connected correctly.

Schéma de raccordement (3)

❶ À un point métallique de la voiture
Branchez d'abord le fil de masse noir et, ensuite, les fils d'entrée d'alimentation rayé orange/blanc, jaune, et rouge.

❷ Vers le câble de commande d'antenne électrique ou le câble d'alimentation de l'amplificateur d'antenne
Remarques
- *Il n'est pas nécessaire de raccorder ce câble s'il n'y a pas d'antenne électrique ni d'amplificateur d'antenne, ou avec une antenne télescopique manuelle.*
- *Si votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière/latérale, voir « Remarques sur les câbles de commande et d'alimentation ».*

❸ Au niveau de AMP REMOTE IN de l'amplificateur de puissance en option
Ce raccordement s'applique uniquement aux amplificateurs. Le branchement de tout autre système risque d'endommager l'appareil.

❹ Vers le cordon de liaison d'un téléphone de voiture

❺ Vers le connecteur du signal d'éclairage de la voiture
Raccordez d'abord le câble de mise à la masse noir à un point métallique du véhicule.

❻ À la borne +12 V qui est alimentée quand la clé de contact est sur la position accessoires
Remarques
- *S'il n'y a pas de position accessoires, raccordez la borne d'alimentation (batterie) +12 V qui est alimentée en permanence. Raccordez d'abord le câble de mise à la masse noir à un point métallique du véhicule.*
- *Si votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière/latérale, voir « Remarques sur les câbles de commande et d'alimentation ».*

À la borne +12 V qui est alimentée en permanence
Raccordez d'abord le câble de mise à la masse noir à un point métallique du véhicule.

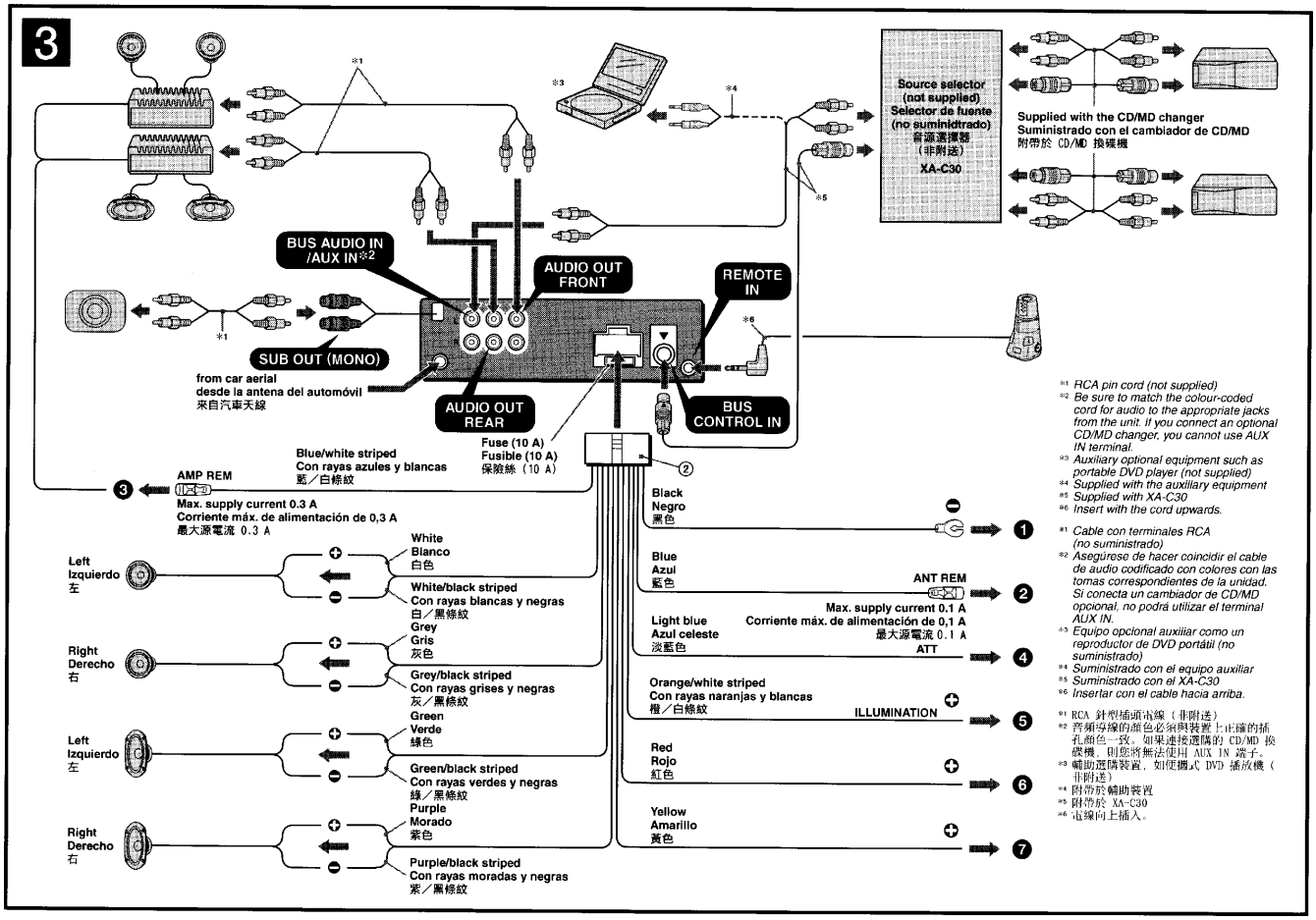
Remarques sur les câbles de commande et d'alimentation
- *Le câble de commande d'antenne électrique (bleu) fournit une alimentation de + 12 V CC lorsque vous mettez la radio sous tension.*
- *Lorsque votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière/latérale, raccordez le câble de commande d'antenne électrique (bleu) ou l'entrée d'alimentation des accessoires (rouge) à la borne d'alimentation de l'amplificateur d'antenne existant. Pour plus de détails, consultez votre détaillant.*
- *Une antenne électrique sans boîtier de relais ne peut pas être utilisée avec cet appareil.*

Raccordement pour la conservation de la mémoire
Lorsque le câble d'entrée d'alimentation jaune est raccordé, le circuit de la mémoire est alimenté en permanence même si la clé de contact est sur la position d'arrêt.

Remarques sur le raccordement des haut-parleurs
- *Avant de raccorder les haut-parleurs, mettez l'appareil hors tension.*
- *Utilisez des haut-parleurs ayant une impédance de 4 à 8 ohms avec une capacité électrique adéquate pour éviter de les endommager.*
- *Ne raccordez pas les bornes du système de haut-parleurs au châssis de la voiture et ne raccordez pas les bornes des haut-parleurs droit à celles du haut-parleur gauche.*
- *Ne raccordez pas le câble de mise à la masse de cet appareil à la borne négative (–) du haut-parleur.*
- *N'essayez pas de raccorder les haut-parleurs en parallèle.*
- *Raccordez uniquement des haut-parleurs passifs. Le raccordement de haut-parleurs actifs (avec amplificateurs intégrés) aux bornes des haut-parleurs peut endommager l'appareil.*
- *Pour éviter tout dysfonctionnement, n'utilisez pas les câbles des haut-parleurs intégrés installés dans votre voiture si l'appareil partage un câble négatif commun (–) pour les haut-parleurs droit et gauche.*
- *Ne raccordez pas entre eux les cordons des haut-parleurs de l'appareil.*

Remarque sur le raccordement
Si les haut-parleurs et l'amplificateur ne sont pas raccordés correctement, le message « FAILURE » s'affiche. Dans ce cas, assurez-vous que les haut-parleurs et l'amplificateur sont bien raccordés.

• CDX-R5810



*1 RCA pin cord (not supplied)
*2 Be sure to match the colour-coded cord for audio to the appropriate jacks from the unit. If you connect an optional CD/MD changer, you cannot use AUX IN terminal.
*3 Auxiliary optional equipment such as portable DVD player (not supplied)
*4 Supplied with the auxiliary equipment
*5 Supplied with XA-C30
*6 Insert with the cord upwards.

*1 Cable con terminales RCA (no suministrado)
*2 Asegúrese de hacer coincidir el cable de audio codificado con colores con las tomas correspondientes de la unidad. Si conecta un cambiador de CD/MD opcional, no podrá utilizar el terminal AUX IN.
*3 Equipo opcional auxiliar como un reproductor de DVD portátil (no suministrado)
*4 Suministrado con el equipo auxiliar
*5 Suministrado con el XA-C30
*6 Insertar con el cable hacia arriba.

*1 RCA 針型插頭電線（非附送）
*2 音頻導線的顏色必須與裝置上正確的插孔顏色一致。如果連接選購的 CD/MD 換碟機，則您將無法使用 AUX IN 端子。
*3 輔助選購裝置，如便攜式 DVD 播放機（非附送）
*4 附帶於輔助裝置
*5 附帶於 XA-C30
*6 電線向上插入。

Connection diagram (3)

❶ **To a metal surface of the car**
First connect the black earth lead, then connect the orange/white stripped, yellow, and red power input leads.

❷ **To the power aerial control lead or power supply lead of aerial booster amplifier**
Notes
- *It is not necessary to connect this lead if there is no power aerial or aerial booster, or with a manually-operated telescopic aerial.*
- *When your car has a built-in FM/AM aerial in the rear/side glass, see "Notes on the control and power supply leads."*

❸ **To AMP REMOTE IN of an optional power amplifier**
This connection is only for amplifiers. Connecting any other system may damage the unit.

❹ **To the interface cable of a car telephone**

❺ **To a car's illumination signal**
Be sure to connect the black earth lead to a metal surface of the car first.

❻ **To the +12 V power terminal which is energized in the accessory position of the ignition key switch**
Notes
- *If there is no accessory position, connect to the +12 V power (battery) terminal which is energized at all times. Be sure to connect the black earth lead to a metal surface of the car first.*
- *When your car has a built-in FM/AM aerial in the rear/side glass, see "Notes on the control and power supply leads."*

❼ **To the +12 V power terminal which is energized at all times**
Be sure to connect the black earth lead to a metal surface of the car first.

Notes on the control and power supply leads
- *The power aerial control lead (blue) supplies +12 V DC when you turn on the tuner.*
- *When your car has built-in FM/AM aerial in the rear/side glass, connect the power aerial control lead (blue) or the accessory power input lead (red) to the power terminal of the existing aerial booster. For details, consult your dealer.*
- *A power aerial without a relay box cannot be used with this unit.*

Memory hold connection
When the yellow power input lead is connected, power will always be supplied to the memory circuit even when the ignition switch is turned off.

Notes on speaker connection
- *Before connecting the speakers, turn the unit off.*
- *Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities to avoid its damage.*
- *Do not connect the speaker terminals to the car chassis, or connect the terminals of the right speakers with those of the left speaker.*
- *Do not connect the earth lead of this unit to the negative (–) terminal of the speaker.*
- *Do not attempt to connect the speakers in parallel.*
- *Connect only passive speakers. Connecting active speakers (with built-in amplifiers) to the speaker terminals may damage the unit.*
- *To avoid a malfunction, do not use the built-in speaker leads installed in your car if the unit shares a common negative (–) lead for the right and left speakers.*
- *Do not connect the unit's speaker leads to each other.*

Note on connection
If speaker and amplifier are not connected correctly, "FAILURE" appears in the display. In this case, make sure the speaker and amplifier are connected correctly.

Diagrama de conexión (3)

❶ **A una superficie metálica del automóvil**
Conecte primero el cable de conexión a masa negro, y después los cables con rayas naranjas y blancas, amarillo, y rojo de entrada de alimentación.

❷ **Al cable de control de la antena motorizada o al cable de fuente de alimentación del amplificador de señal de la antena**
Notas
- *Si no se dispone de antena motorizada ni de amplificador de antena, o se utiliza una antena telescópica accionada manualmente, no será necesario conectar este cable.*
- *Si el automóvil incorpora una antena de FM/AM en el cristal trasero o lateral, consulte "Notas sobre los cables de control y de fuente de alimentación".*

❸ **A AMP REMOTE IN de un amplificador de potencia opcional**
Esta conexión es sólo para amplificadores. La conexión de cualquier otro sistema puede dañar la unidad.

❹ **Al cable de interfaz de un teléfono para automóvil**

❺ **A una señal de iluminación del automóvil**
Asegúrese de conectar primero el cable de conexión a masa negro a una superficie metálica del automóvil.

❻ **Al terminal de alimentación de +12 V que recibe energía en la posición de accesorio del interruptor de la llave de encendido**
Notas
- *Si no hay posición de accesorio, conéctelo al terminal de alimentación (batería) de +12 V que recibe energía sin interrupción. Asegúrese de conectar primero el cable de conexión a masa negro a una superficie metálica del automóvil.*
- *Si el automóvil incorpora una antena de FM/AM en el cristal trasero o lateral, consulte "Notas sobre los cables de control y de fuente de alimentación".*

❼ **Al terminal de alimentación de +12 V que recibe energía sin interrupción**
Asegúrese de conectar primero el cable de conexión a masa negro a una superficie metálica del automóvil.

Notas sobre los cables de control y de fuente de alimentación
- *El cable de control de la antena motorizada (azul) suministrará cc de + 12V cuando conecte la alimentación del sintonizador.*
- *Si el automóvil dispone de una antena de FM/AM incorporada en el cristal trasero o lateral, conecte el cable de control de antena motorizada (azul) o el cable de entrada de alimentación auxiliar (rojo) al terminal de alimentación del amplificador de antena existente. Para obtener más información, consulte a su distribuidor.*
- *Con esta unidad no es posible utilizar una antena motorizada sin caja de relé.*

Conexión para protección de la memoria
Si conecta el cable de entrada de alimentación amarillo, el circuito de la memoria recibirá siempre alimentación, aunque apague la llave de encendido.

Notas sobre la conexión de los altavoces
- *Antes de conectar los altavoces, desconecte la alimentación de la unidad.*
- *Utilice altavoces con una impedancia de 4 a 8 Ω con la capacidad de potencia adecuada para evitar que se dañen.*
- *No conecte los terminales de altavoz al chasis del automóvil, ni conecte los terminales del altavoz derecho con los del izquierdo.*
- *No conecte el cable de conexión a masa de esta unidad al terminal negativo (–) del altavoz.*
- *No intente conectar los altavoces en paralelo.*
- *Conecte solamente altavoces pasivos. Si conecta altavoces activos (con amplificadores incorporados) a los terminales de altavoz, puede dañar la unidad.*
- *Para evitar fallas de funcionamiento, no utilice los cables de altavoz incorporados instalados en el automóvil si la unidad comparte un cable negativo común (–) para los altavoces derecho e izquierdo.*
- *No conecte los cables de altavoz de la unidad entre sí.*

Nota sobre la conexión
Si el altavoz y el amplificador no están conectados correctamente, aparecerá "FAILURE" en la pantalla. Si es así, compruebe la conexión de ambos dispositivos.

線路連接圖（3）

❶ **連接至汽車的金屬表面**
首先連接黑色接地導線，然後再連接橙／白綠紋、黃色和紅色電源輸入導線。

❷ **連接至電動天線控制導線或天線升壓放大器的電源導線**
註
- 如無電動天線或天線升壓器，或有手動套管式天線，便不須連接此導線。
- 您汽車的後／側玻璃窗中如果有內置 FM/AM 天線，即請參看“控制線和電源線須知”。

❸ **連接至選購的功率放大器的 AMP REMOTE IN（放大器遙控輸入）**
本連接僅用於放大器。連接任何其它系統可能會損壞本機。

❹ **連接至汽車電話的接口電纜**

❺ **至汽車照明訊號**
必須首先將黑色接地導線連接至汽車的金屬表面。

❻ **連接至在點火鑰匙開關的附件位置上通電的 +12 V 電源端子**
註
- 若沒有附件位置，則請連接至始終通電的 +12 V 電源（電池）端子。
必須首先將黑色接地導線連接至汽車的金屬表面。
- 您汽車的後／側玻璃窗中如果有內置 FM/AM 天線，即請參看“控制線和電源線須知”。

❼ **連接至始終通電的 +12 V 電源端子**
必須首先將黑色接地導線連接至汽車的金屬表面。

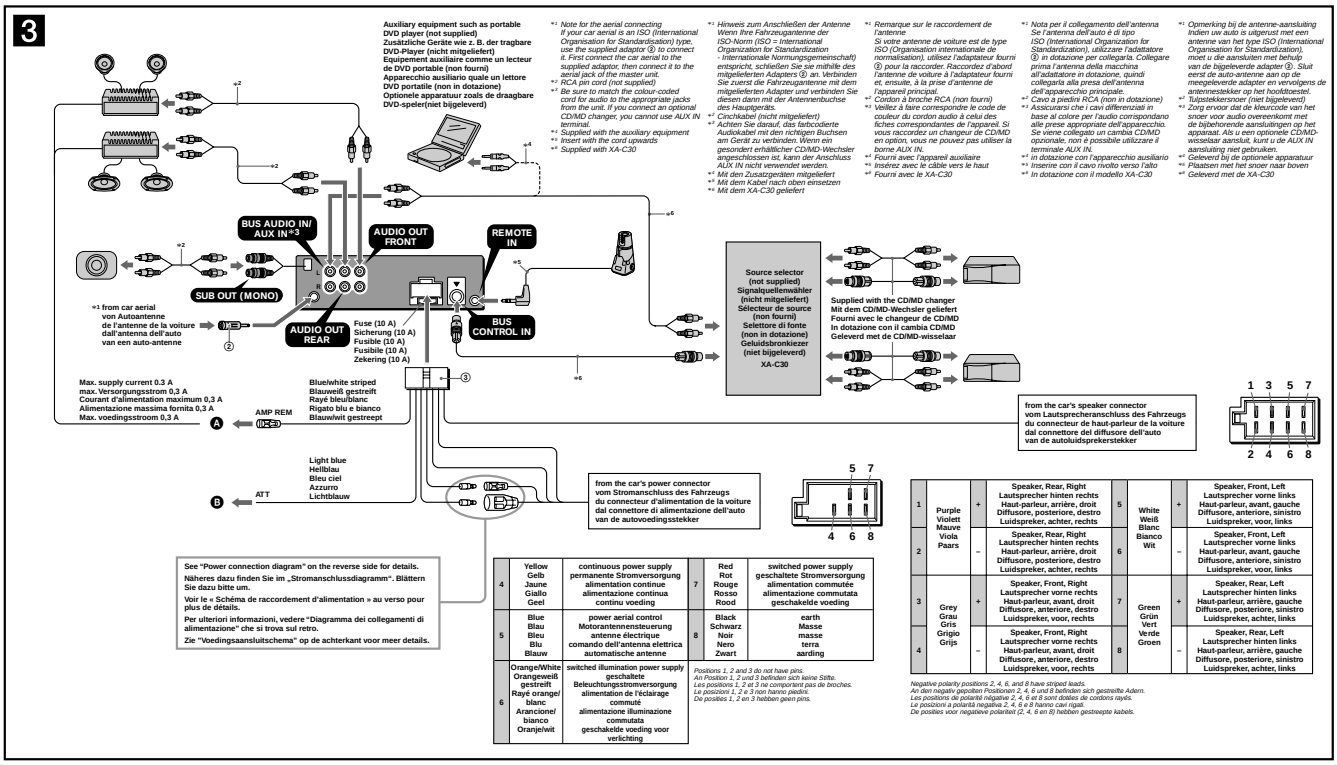
控制線和電源線須知
- 接通調諧器電源時，電動天線的控制導線（藍色）便能提供 +12 V 直流電。
- 若您的汽車後／側玻璃窗上有內置 FM/AM 天線，須將電動天線控制導線（藍色）或輔助電源輸入導線（紅色）連接到現有天線升壓器上的電源端子上。詳細內容請向銷售商諮詢。
- 本機不能使用不具備繼電器盒的電動天線。

保持記憶的線路連接法
當連接好黃色電源輸入導線時，即使汽車發動機點火鑰匙關閉，電源仍將對記憶電路供電。

連接揚聲器時的注意事項
- 連接揚聲器電線以前，請先關閉本機電源。
- 使用阻抗為 4–8Ω 且具有足夠功率處理容量的揚聲器，以免損壞揚聲器。
- 不要將揚聲器端子連接到車身上，或將右揚聲器端子與左揚聲器端子相連接。
- 切勿將本機的接地導線連接至揚聲器的負（–）接線端。
- 揚聲器不可並聯連接。
- 請僅連接無源揚聲器。若將有源揚聲器（帶內置放大器）連接到揚聲器端子上會損壞本機。
- 若本裝置使用左、右揚聲器的共用負極（–）導線，為了避免故障，切勿使用已安裝在汽車內的內置揚聲器導線。
- 請勿將本裝置揚聲器導線相互連接。

有關連接注意事項
如果未正確連接揚聲器和放大器，則顯示器上會出現“FAILURE”。此時，請仔細連接揚聲器和放大器。

• CDX-R6750


3
Auxiliary equipment such as portable DVD player (not supplied)
Zusätzliche Geräte wie z. B. der tragbare DVD-Player (nicht mitgeliefert)
Equipement auxiliaire comme un lecteur de DVD portable (non fourni)
Apparecchio ausiliario quale un lettore DVD portatile (non in dotazione)
Optionele apparatuur zoals de draagbare DVD-speler(niet bijgeleverd)
BUS AUDIO IN/ AUX IN *3
AUDIO OUT FRONT
REMOTE IN
SUB OUT (MONO)
AUDIO OUT REAR
BUS CONTROL IN
*1 from car aerial
von Autoantenne
de l'antenne de la voiture
dall'antenna dell'auto
van een auto-antenne
Fuse (10 A)
Sicherung (10 A)
Fusible (10 A)
Fusibile (10 A)
Zekering (10 A)
Source selector (not supplied)
Signalquellenwähler (nicht mitgeliefert)
Sélecteur de source (non fourni)
Selettore di fonte (non in dotazione)
Geluidsbronkiezer (niet bijgeleverd)
XA-C30
Supplied with the CD/MD changer
Mit dem CD/MD-Wechsler geliefert
Fourni avec le changeur de CD/MD
In dotazione con il cambia CD/MD
Geleverd met de CD/MD-wisselaar
Max. supply current 0.3 A
max. Versorgungsstrom 0,3 A
Courant d'alimentation maximum 0,3 A
Alimentazione massima fornita 0,3 A
Max. voedingsstroom 0,3 A
Blue/white striped
Blauweiß gestreift
Rayé bleu/blanc
Rigato blu e bianco
Blauw/wit gestreept
AMP REM
Light blue
Hellblau
Bleu ciel
Azzurro
Lichtblauw
ATT
from the car's power connector
vom Stromanschluss des Fahrzeugs
du connecteur d'alimentation de la voiture
dal connettore di alimentazione dell'auto
van de autovoedingsstekker
from the car's speaker connector
vom Lautsprecheranschluss des Fahrzeugs
du connecteur de haut-parleur de la voiture
dal connettore del diffusore dell'auto
van de autoluidsprekerstekker
See "Power connection diagram" on the reverse side for details.
Näheres dazu finden Sie im „Stromanschlussdiagramm". Blättern Sie dazu bitte um.
Voir le « Schéma de raccordement d'alimentation » au verso pour plus de détails.
Per ulteriori informazioni, vedere "Diagramma dei collegamenti di alimentazione" che si trova sul retro.
Zie "Voedingsaansluitschema" op de achterkant voor meer details.

*1 Note for the aerial connecting
If your car aerial is an ISO (International Organisation for Standardisation) type, use the supplied adaptor Ⓙ to connect it. First connect the car aerial to the supplied adaptor, then connect it to the aerial jack of the master unit.
*2 RCA pin cord (not supplied)
*3 Be sure to match the colour-coded cord for audio to the appropriate jacks from the unit. If you connect an optional CD/MD changer, you cannot use AUX IN terminal.
*4 Supplied with the auxiliary equipment
*5 Insert with the cord upwards
*6 Supplied with XA-C30

*1 Hinweis zum Anschließen der Antenne
Wenn Ihre Fahrzeugantenne der ISO-Norm (ISO = International Organization for Standardization - Internationale Normungsgemeinschaft) entspricht, schließen Sie sie mithilfe des mitgelieferten Adapters Ⓙ an. Verbinden Sie zuerst die Fahrzeugantenne mit dem mitgelieferten Adapter und verbinden Sie diesen dann mit der Antennenbuchse des Hauptgeräts.
*2 Cinchkabel (nicht mitgeliefert)
*3 Achten Sie darauf, das farbcodierte Audiokabel mit den richtigen Buchsen am Gerät zu verbinden. Wenn ein gesondert erhältlicher CD/MD-Wechsler angeschlossen ist, kann der Anschluss AUX IN nicht verwendet werden.
*4 Mit dem Zusatzgeräten mitgeliefert
*5 Mit dem Kabel nach oben einsetzen
*6 Mit dem XA-C30 geliefert

*1 Remarque sur le raccordement de l'antenne
Si votre antenne de voiture est de type ISO (Organisation internationale de normalisation), utilisez l'adaptateur fourni Ⓙ pour la raccorder. Raccordez d'abord l'antenne de voiture à l'adaptateur fourni et, ensuite, à la prise d'antenne de l'appareil principal.
*2 Cordon à broche RCA (non fourni)
*3 Veillez à faire correspondre le code de couleur du cordon audio à celui des fiches correspondantes de l'appareil. Si vous raccordez un changeur de CD/MD en option, vous ne pouvez pas utiliser la borne AUX IN.
*4 Fourni avec l'appareil auxiliaire
*5 Insérez avec le câble vers le haut
*6 Fourni avec le XA-C30

*1 Nota per il collegamento dell'antenna
Se l'antenna dell'auto è di tipo ISO (International Organization for Standardization), utilizzare l'adattatore Ⓙ in dotazione per collegarla. Collegare prima l'antenna della macchina all'adattatore in dotazione, quindi collegarla alla presa dell'antenna dell'apparecchio principale.
*2 Cavo a piedini RCA (non in dotazione)
*3 Assicurarsi che i cavi differenziati in base al colore per l'audio corrispondano alle prese appropriate dell'apparecchio. Se viene collegato un cambia CD/MD opzionale, non è possibile utilizzare il terminale AUX IN.
*4 in dotazione con l'apparecchio ausiliario
*5 Inserire con il cavo rivolto verso l'alto
*6 In dotazione con il modello XA-C30

*1 Opmerking bij de antenne-aansluiting
Indien uw auto is uitgerust met een antenne van het type ISO (International Organisation for Standardization), moet u die aansluiten met behulp van de bijgeleverde adapter Ⓙ. Sluit eerst de auto-antenne aan op de meegeleverde adapter en vervolgens de antennestekker op het hoofdtoestel.
*2 Tulpstekkersnoer (niet bijgeleverd)
*3 Zorg ervoor dat de kleurcode van het snoer voor audio overeenkomt met de bijbehorende aansluitingen op het apparaat. Als u een optionele CD/MD-wisselaar aansluit, kunt u de AUX IN aansluiting niet gebruiken.
*4 Geleverd bij de optionele apparatuur
*5 Plaatsen met het snoer naar boven
*6 Geleverd met de XA-C30

4	Yellow Gelb Jaune Giallo Geel	continuous power supply permanente Stromversorgung alimentation continue alimentazione continua continu voeding	7	Red Rot Rouge Rosso Rood	switched power supply geschaltete Stromversorgung alimentation commutée alimentazione commutata geschakelde voeding
5	Blue Blau Bleu Blu Blauw	power aerial control Motorantennensteuerung antenne électrique comando dell'antenna elettrica automatische antenne	8	Black Schwarz Noir Nero Zwart	earth Masse masse terra aarding
6	Orange/White Orangeweiß gestreift Rayé orange/blanc Arancione/bianco Oranje/wit	switched illumination power supply geschaltete Beleuchtungsstromversorgung alimentation de l'éclairage commuté alimentazione illuminazione commutata geschakelde voeding voor verlichting			

Positions 1, 2 and 3 do not have pins.
An Position 1, 2 und 3 befinden sich keine Stifte.
Les positions 1, 2 et 3 ne comportent pas de broches.
Le posizioni 1, 2 e 3 non hanno piedini.
De posities 1, 2 en 3 hebben geen pins.

1	Purple Violett Mauve Viola Paars	+	Speaker, Rear, Right Lautsprecher hinten rechts Haut-parleur, arrière, droit Diffusore, posteriore, destro Luidspreker, achter, rechts	5	White Weiß Blanc Bianco Wit	+	Speaker, Front, Left Lautsprecher vorne links Haut-parleur, avant, gauche Diffusore, anteriore, sinistro Luidspreker, voor, links
		–	Speaker, Rear, Right Lautsprecher hinten rechts Haut-parleur, arrière, droit Diffusore, posteriore, destro Luidspreker, achter, rechts			–	Speaker, Front, Left Lautsprecher vorne links Haut-parleur, avant, gauche Diffusore, anteriore, sinistro Luidspreker, voor, links
3	Grey Grau Gris Grigio Grijs	+	Speaker, Front, Right Lautsprecher vorne rechts Haut-parleur, avant, droit Diffusore, anteriore, destro Luidspreker, voor, rechts	7	Green Grün Vert Verde Groen	+	Speaker, Rear, Left Lautsprecher hinten links Haut-parleur, arrière, gauche Diffusore, posteriore, sinistro Luidspreker, achter, links
		–	Speaker, Front, Right Lautsprecher vorne rechts Haut-parleur, avant, droit Diffusore, anteriore, destro Luidspreker, voor, rechts			–	Speaker, Rear, Left Lautsprecher hinten links Haut-parleur, arrière, gauche Diffusore, posteriore, sinistro Luidspreker, achter, links

Negative polarity positions 2, 4, 6, and 8 have striped leads.
An den negativ gepolten Positionen 2, 4, 6 und 8 befinden sich gestreifte Adern.
Les positions de polarité négative 2, 4, 6 et 8 sont dotées de cordons rayés.
Le posizioni a polarità negativa 2, 4, 6 e 8 hanno cavi rigati.
De posities voor negatieve polariteit (2, 4, 6 en 8) hebben gestreepte kabels.

Connection diagram (3)

Ⓐ To AMP REMOTE IN of an optional power amplifier
This connection is only for amplifiers. Connecting any other system may damage the unit.

Ⓑ To the interface cable of a car telephone

Warning
If you have a power aerial without a relay box, connecting this unit with the supplied power connecting lead ③ may damage the aerial.

Notes on the control power and suppy leads
- *The power aerial control lead (blue) supplies +12 V DC when you turn on the tuner, or when you activate the AF (Alternative Frequency) or TA (Traffic Announcement) function.*
- *When your car has built-in FM/MW/LW aerial in the rear/side glass, connect the power aerial control lead (blue) or the accessory power input lead (red) to the power terminal of the existing aerial booster. For details, consult your dealer.*
- *A power aerial without a relay box cannot be used with this unit.*

Memory hold connection
When the yellow power input lead is connected, power will always be supplied to the memory circuit even when the ignition switch is turned off.

Notes on speaker connection
- *Before connecting the speakers, turn the unit off.*
- *Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities to avoid its damage.*
- *Do not connect the speaker terminals to the car chassis, or connect the terminals of the right speakers with those of the left speaker.*
- *Do not connect the earth lead of this unit to the negative (–) terminal of the speaker.*
- *Do not attempt to connect the speakers in parallel.*
- *Connect only passive speakers. Connecting active speakers (with built-in amplifiers) to the speaker terminals may damage the unit.*
- *To avoid a malfunction, do not use the built-in speaker leads installed in your car if the unit shares a common negative (–) lead for the right and left speakers.*
- *Do not connect the unit's speaker leads to each other.*

Note on connection
If speaker and amplifier are not connected correctly, "FAILURE" appears in the display. In this case, make sure the speaker and amplifier are connected correctly.

Anschlussdiagramm (3)

Ⓐ An AMP REMOTE IN des gesondert erhältlichen Endverstärkers
Dieser Anschluss ist ausschließlich für Verstärker gedacht. Schließen Sie nichts anderes daran an. Andernfalls kann das Gerät beschädigt werden.

Ⓑ An Schnittstellenkabel eines Autotelefons

Warnung
Wenn Sie eine Motorantenne ohne Relaiskästchen verwenden, kann durch Anschließen dieses Geräts mit dem mitgelieferten Stromversorgungskabel ③ die Antenne beschädigt werden.

Hinweise zu den Steuer- und Stromversorgungsleitungen
- *Die Motorantennen-Steuerleitung (blau) liefert +12 V Gleichstrom, wenn Sie den Tuner einschalten oder die AF- (Alternativfrequenzsuche) oder die TA-Funktion (Verkehrsdurchsagen) aktivieren.*
- *Wenn das Fahrzeug mit einer in der Heck-/ Seitenfensterscheibe integrierten FM (UKW)/MW/LW-Antenne ausgestattet ist, schließen Sie die Motorantennen-Steuerleitung (blau) oder die Zubehörstromversorgungsleitung (rot) an den Stromversorgungsanschluss des vorhandenen Antennenverstärkers an. Näheres dazu erfahren Sie bei Ihrem Händler.*
- *Es kann nur eine Motorantenne mit Relaiskästchen angeschlossen werden.*

Stromversorgung des Speichers
Wenn die gelbe Stromversorgungsleitung angeschlossen ist, wird der Speicher stets (auch bei ausgeschalteter Zündung) mit Strom versorgt.

Hinweise zum Lautsprecheranschluss
- *Schalten Sie das Gerät aus, bevor Sie die Lautsprecher anschließen.*
- *Verwenden Sie Lautsprecher mit einer Impedanz zwischen 4 und 8 Ohm und ausreichender Belastbarkeit. Ansonsten können die Lautsprecher beschädigt werden.*
- *Verbinden Sie die Lautsprecheranschlüsse nicht mit dem Wagenchassis und verbinden Sie auch nicht die Anschlüsse des rechten mit denen des linken Lautsprechers.*
- *Verbinden Sie die Masseleitung dieses Geräts nicht mit dem negativen (–) Lautsprecheranschluss.*
- *Versuchen Sie nicht, Lautsprecher parallel anzuschließen.*
- *An die Lautsprecheranschlüsse dieses Geräts dürfen nur Passivlautsprecher angeschlossen werden. Schließen Sie keine Aktivlautsprecher (Lautsprecher mit eingebauten Verstärkern) an, da das Gerät sonst beschädigt werden könnte.*
- *Um Fehlfunktionen zu vermeiden, verwenden Sie nicht die im Fahrzeug installierten, integrierten Lautsprecherleitungen, wenn am Ende eine gemeinsame negative (–) Leitung für den rechten und den linken Lautsprecher verwendet wird.*
- *Verbinden Sie nicht die Lautsprecherkabel des Geräts miteinander.*

Hinweis zum Anschließen
Wenn Lautsprecher und Verstärker nicht richtig angeschlossen sind, erscheint „FAILURE" im Display. Vergewissern Sie sich in diesem Fall, dass Lautsprecher und Verstärker richtig angeschlossen sind.

Schémas de raccordement (3)

Ⓐ Au niveau du AMP REMOTE IN d'un amplificateur de puissance facultatif
Ce raccordement existe seulement pour les amplificateurs. Le raccordement à tout autre système peut endommager l'appareil.

Ⓑ Vers le cordon de liaison d'un téléphone de voiture

Avertissement
Si vous disposez d'une antenne électrique sans boîtier de relais, le branchement de cet appareil au moyen du cordon d'alimentation fourni ③ risque d'endommager l'antenne.

Remarques sur les câbles de commande et d'alimentation
- *Le câble de commande (bleu) fournit du courant continu de +12 V lorsque vous mettez le tuner sous tension ou lorsque vous activez la fonction AF (fréquence alternative) ou TA (informations de circulation).*
- *Lorsque votre voiture est équipée d'une antenne FM/MW (GO)/LW (PO) intégrée dans la vitre arrière/latérale, raccordez le câble de commande d'antenne (bleu) ou l'entrée d'alimentation des accessoires (rouge) au bornier de l'amplificateur d'antenne existant. Pour plus de détails, consultez votre revendeur.*
- *Une antenne électrique sans boîtier de relais ne peut pas être utilisée avec cet appareil.*

Raccordement pour la conservation de la mémoire
Lorsque le câble de commande d'antenne jaune est connecté, le circuit de la mémoire est alimenté en permanence même si la clé de contact est en position d'arrêt.

Remarques sur le raccordement des haut-parleurs
- *Avant de raccorder les haut-parleurs, mettre l'appareil hors tension.*
- *Utiliser des haut-parleurs ayant une impédance de 4 à 8 ohms et une capacité adéquate sous peine de les endommager.*
- *Ne pas raccorder les bornes du système de haut-parleurs au châssis de la voiture et ne pas connecter les bornes du haut-parleur droit à celles du haut-parleur gauche.*
- *Ne pas raccorder le câble de mise à la masse de cet appareil à la borne négative (–) du haut-parleur.*
- *Ne pas tenter de raccorder les haut-parleurs en parallèle.*
- *Connecter uniquement des haut-parleurs passifs. La connexion de haut-parleurs actifs (avec des amplificateurs intégrés) aux bornes des haut-parleurs pourrait endommager l'appareil.*
- *Pour éviter tout dysfonctionnement, n'utilisez pas les câbles des haut-parleurs intégrés installés dans votre voiture si l'appareil dispose d'un câble négatif commun (–) pour les haut-parleurs droit et gauche.*
- *Ne raccordez pas entre eux les cordons des haut-parleurs de l'appareil.*

Remarque sur le raccordement
Si les enceintes et l'amplificateur ne sont pas raccordés correctement, le message « FAILURE » s'affiche. Dans ce cas, assurez-vous que les enceintes et l'amplificateur sont raccordés correctement.

Schema di collegamento (3)

Ⓐ A AMP REMOTE IN di un amplificatore di potenza opzionale
Questo collegamento è riservato esclusivamente agli amplificatori. Non collegare un tipo di sistema diverso onde evitare di causare danni all'apparecchio.

Ⓑ Al cavo di interfaccia di un telefono per auto

Avvertenza
Quando si collega l'apparecchio con il cavo di alimentazione in dotazione ③, si potrebbe danneggiare l'antenna elettrica se questa non dispone di scatola a relè.

Note sul cavi di controllo e di alimentazione
- *Il cavo (blu) di controllo dell'antenna elettrica fornisce alimentazione pari a +12 V CC quando si attiva il sintonizzatore oppure la funzione TA (notiziario sul traffico) o AF (frequenza alternativa).*
- *Se l'automobile è dotata di antenna FM/MW/LW incorporata nel vetro posteriore/laterale, collegare il cavo (blu) di controllo dell'antenna elettrica o il cavo (rosso) di ingresso dell'alimentazione accessoria al terminale di alimentazione del preamplificatore dell'antenna esistente. Per ulteriori informazioni, consultare il proprio fornitore.*
- *Non è possibile usare un'antenna elettrica senza scatola a relè con questo apparecchio.*

Collegamento per la conservazione della memoria
Quando il cavo di ingresso alimentazione giallo è collegato, viene sempre fornita alimentazione al circuito di memoria anche quando l'interruttore di accensione è spento.

Note sul collegamento dei diffusori
- *Prima di collegare i diffusori spegnere l'apparecchio.*
- *Usare diffusori di impedenza compresa tra 4 e 8 ohm e con capacità di potenza adeguata, altrimenti i diffusori potrebbero venire danneggiati.*
- *Non collegare i terminali del sistema diffusori al telaio dell'auto e non collegare i terminali del diffusore destro a quelli del diffusore sinistro.*
- *Non collegare il cavo di terra di questo apparecchio al terminale negativo (–) del diffusore.*
- *Non collegare i diffusori in parallelo.*
- *Assicurarsi di collegare soltanto diffusori passivi, poiché il collegamento di diffusori attivi, dotati di amplificatori incorporati, ai terminali dei diffusori potrebbe danneggiare l'apparecchio.*
- *Per evitare problemi di funzionamento, non utilizzare i cavi dei diffusori incorporati installati nell'automobile se l'apparecchio condivide un cavo comune negativo (–) per i diffusori destro e sinistro.*
- *Non collegare fra loro i cavi dei diffusori dell'apparecchio.*

Nota sui collegamenti
Se l'amplificatore e il diffusore non sono collegati correttamente, "FAILURE" viene visualizzato nel display. In tal caso, accertarsi che l'amplificatore e il diffusore siano collegati correttamente.

Aansluitschema (3)

Ⓐ Naar AMP REMOTE IN van een optionele eindversterker
Deze aansluiting is alleen bedoeld voor versterkers. Door een ander systeem aan te sluiten kan het apparaat worden beschadigd.

Ⓑ Naar het interface-snoer van een autotelefoon

Waarschuwing
Indien u een elektrische antenne hebt zonder relaiskast, kan het aansluiten van deze eenheid met het bijgeleverde netsnoer ③ de antenne beschadigen.

Opmerkingen over de bedienings- en voedingskabels
- *De antennevoedingskabel (blauw) levert +12 V gelijkstroom wanneer u de tuner inschakelt of de AF (Alternative Frequency) of TA (Traffic Announcement) functie activeert.*
- *Wanneer uw auto is uitgerust met een FM/MW/LW-antenne in de achterruit/zijruit, moet u de antennevoedingskabel (blauw) of de hulpvoedingskabel (rood) aansluiten op de voedingsingang van de bestaande antenneversterker. Raadpleeg uw dealer voor meer details.*
- *Met dit apparaat is het niet mogelijk een automatische antenne zonder relaiskast te gebruiken.*

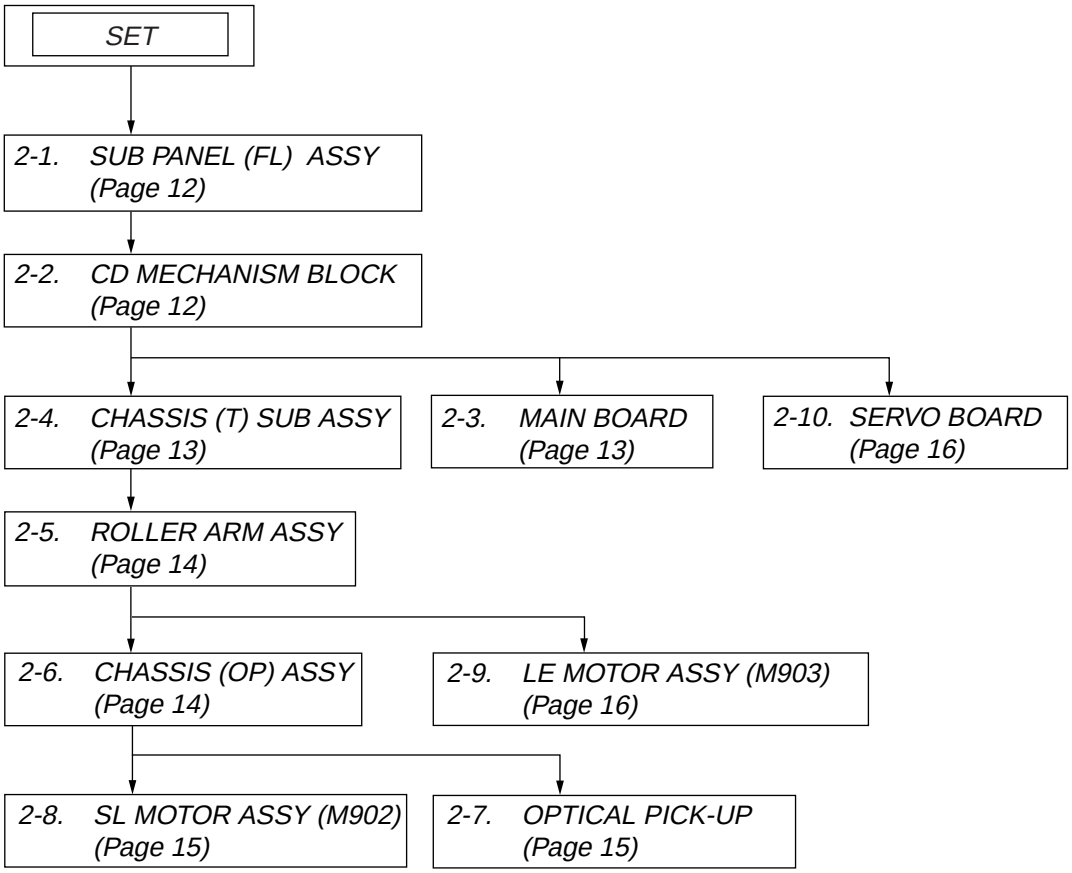
Instandhouden van het geheugen
Zolang de gele stroomdraad is aangesloten, blijft de stroomvoorziening van het geheugen intact, ook wanneer het contact van de auto wordt uitgeschakeld.

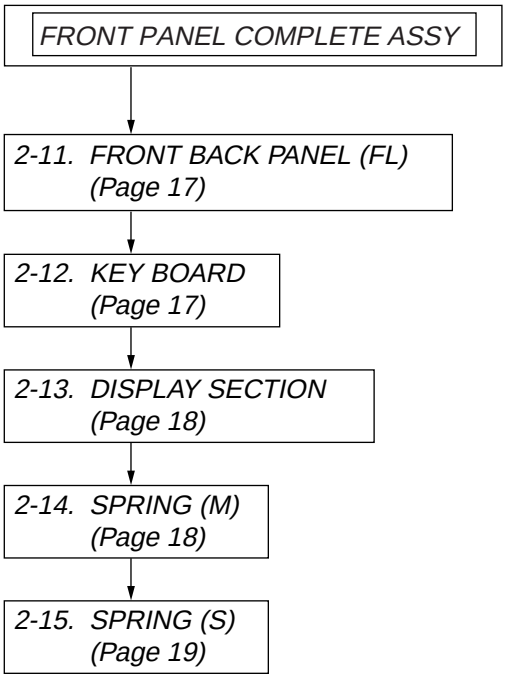
Opmerkingen betreffende het aansluiten van de luidsprekers
- *Zorg dat het apparaat is uitgeschakeld, alvorens de luidsprekers aan te sluiten.*
- *Gebruik luidsprekers met een impedantie van 4 tot 8 Ohm en let op dat die het vermogen van de versterker kunnen verwerken. Als dit wordt verzuimd, kunnen de luidsprekers ernstig beschadigd raken.*
- *Verbind in geen geval de aansluitingen van de luidsprekers met het chassis van de auto en sluit de aansluitingen van de rechter- en linkerluidspreker niet op elkaar aan.*
- *Verbind de aarddraad van dit apparaat niet met de negatieve (–) aansluiting van de luidspreker.*
- *Probeer nooit de luidsprekers parallel aan te sluiten.*
- *Sluit geen actieve luidsprekers (met ingebouwde versterkers) aan op de luidspreker-aansluiting van dit apparaat. Dit zal leiden tot beschadiging van de actieve luidsprekers. Sluit dus altijd uitsluitend luidsprekers zonder ingebouwde versterker aan.*
- *Om defecten te vermijden mag u de bestaande luidsprekerbedrading in uw auto niet gebruiken wanneer er een gemeenschappelijke negatieve (–) draad is voor de rechter- en linkerluidsprekers.*
- *Verbind de luidsprekerdraden niet met elkaar.*

Opmerking over aansluiten
Als de luidspreker en versterker niet correct zijn aangesloten, wordt "FAILURE" in het display weergegeven. In dit geval moet u zorgen dat de luidspreker en versterker correct zijn aangesloten.

SECTION 2
DISASSEMBLY

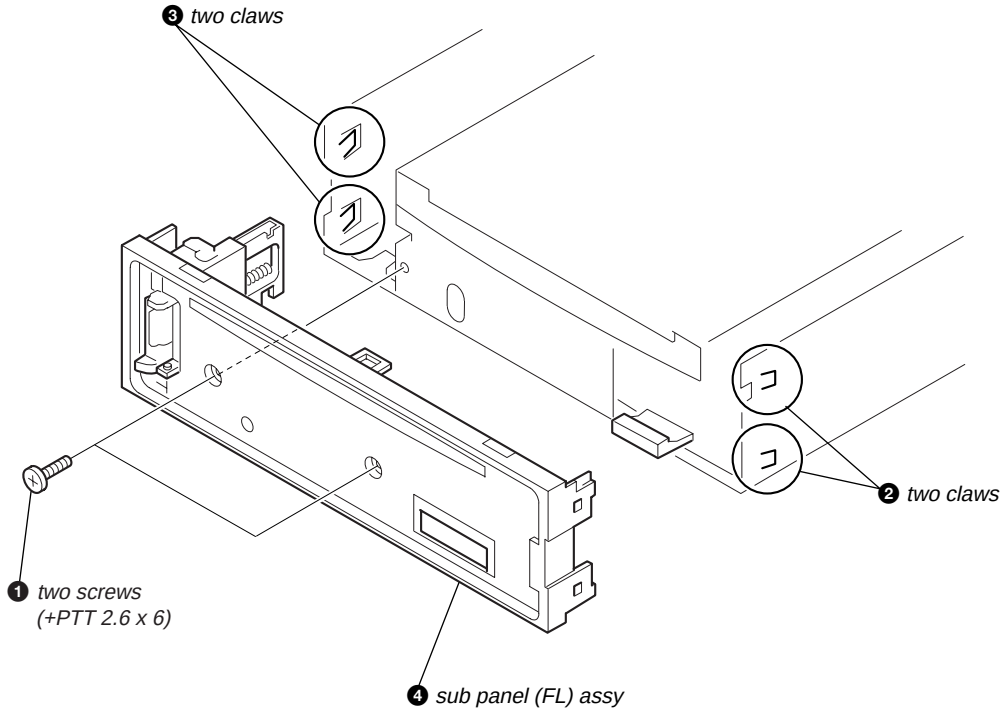
Note : This set can be disassemble according to the following sequence.


SET
2-1. SUB PANEL (FL) ASSY (Page 12)
2-2. CD MECHANISM BLOCK (Page 12)
2-4. CHASSIS (T) SUB ASSY (Page 13)
2-3. MAIN BOARD (Page 13)
2-10. SERVO BOARD (Page 16)
2-5. ROLLER ARM ASSY (Page 14)
2-6. CHASSIS (OP) ASSY (Page 14)
2-9. LE MOTOR ASSY (M903) (Page 16)
2-8. SL MOTOR ASSY (M902) (Page 15)
2-7. OPTICAL PICK-UP (Page 15)

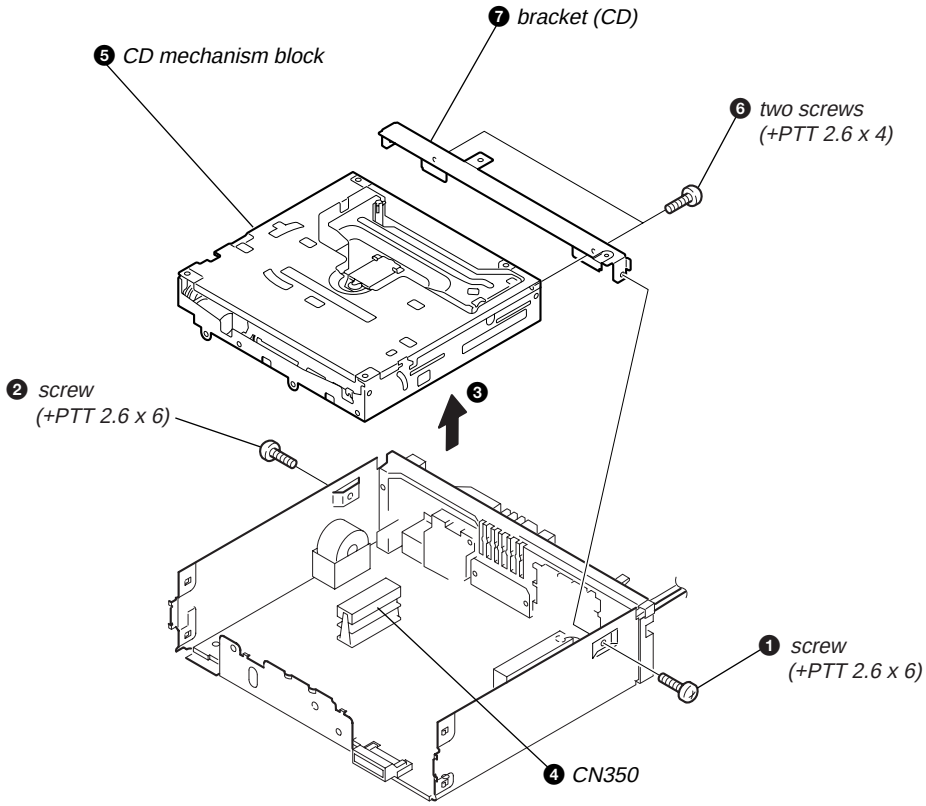

FRONT PANEL COMPLETE ASSY
2-11. FRONT BACK PANEL (FL) (Page 17)
2-12. KEY BOARD (Page 17)
2-13. DISPLAY SECTION (Page 18)
2-14. SPRING (M) (Page 18)
2-15. SPRING (S) (Page 19)

Note : Follow the disassembly procedure in the numerical order given.

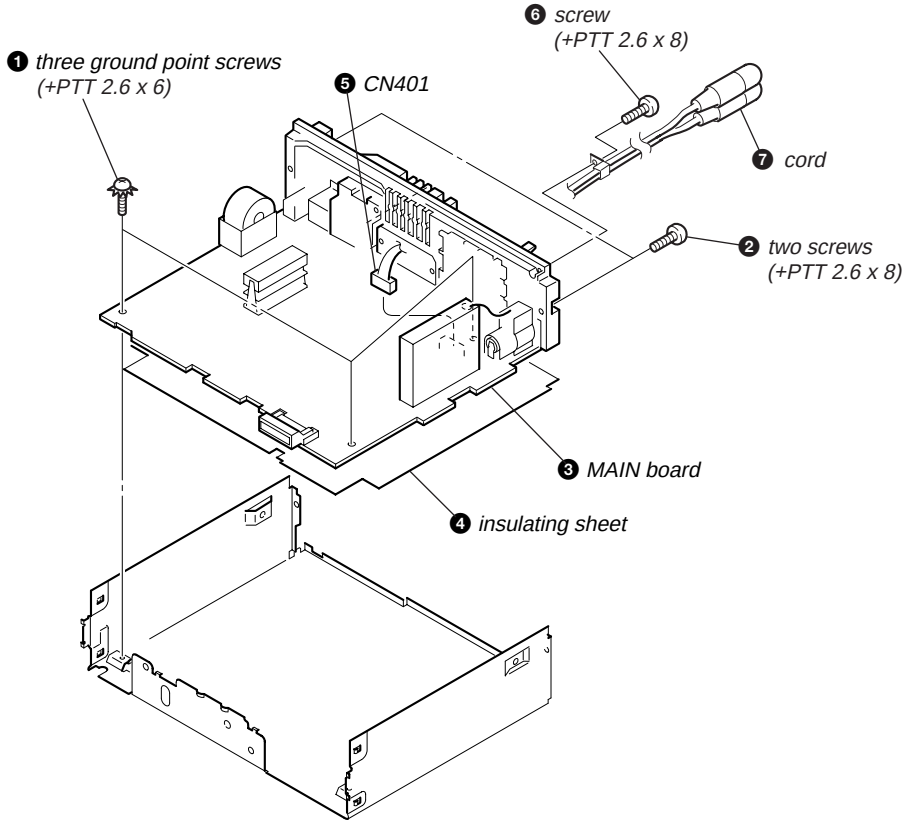
2-1. SUB PANEL (FL) ASSY



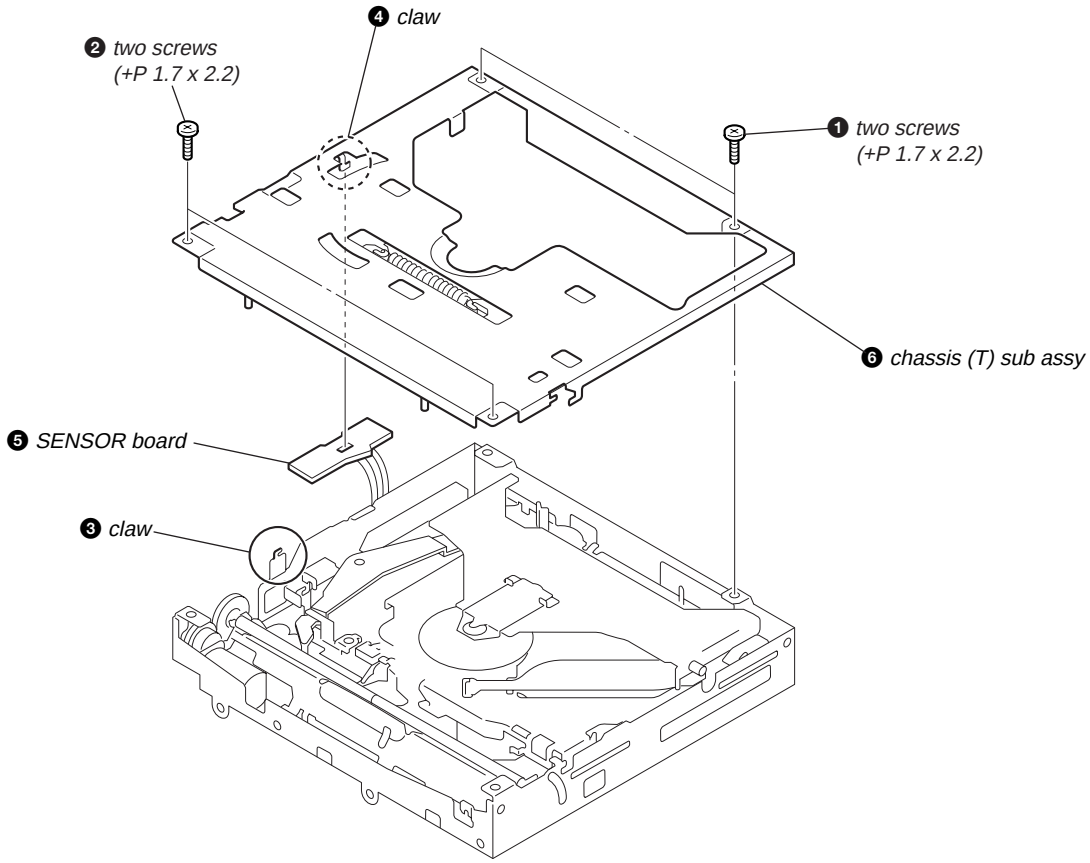
2-2. CD MECHANISM BLOCK



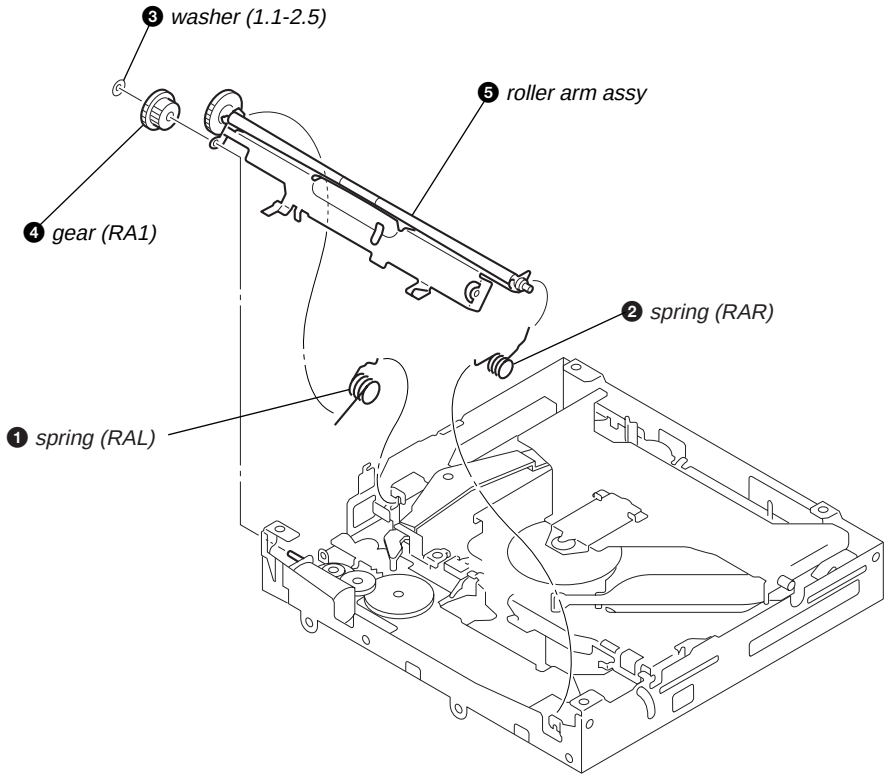
2-3. MAIN BOARD



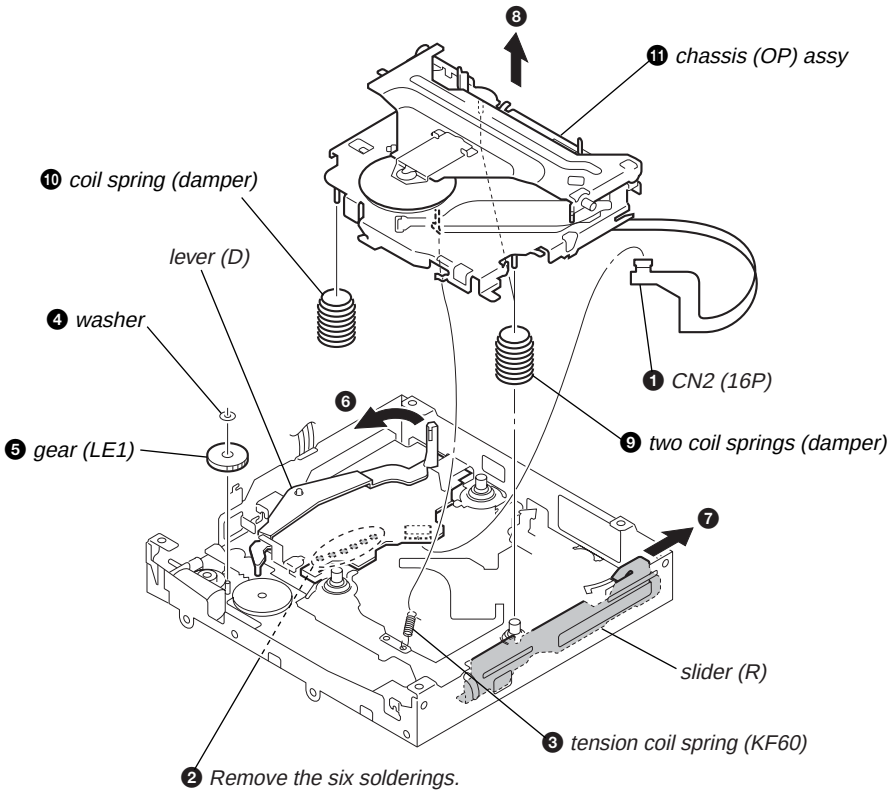
2-4. CHASSIS (T) SUB ASSY



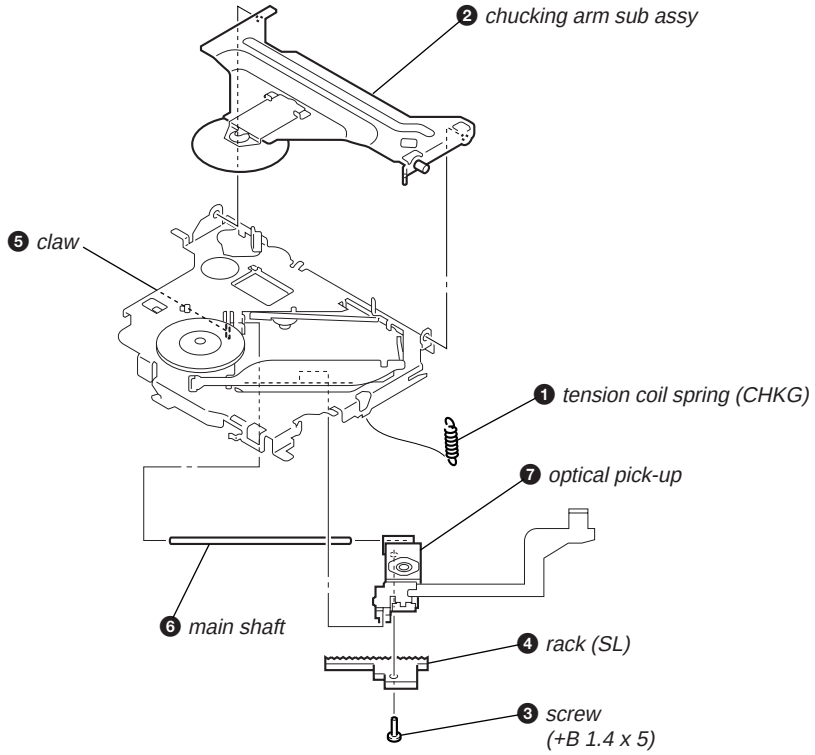
2-5. ROLLER ARM ASSY



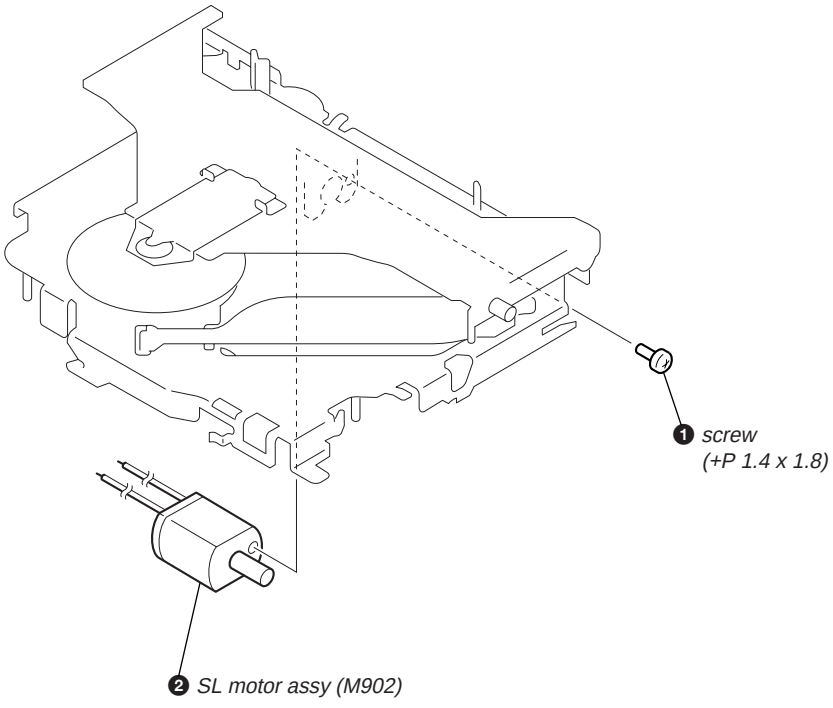
2-6. CHASSIS (OP) ASSY



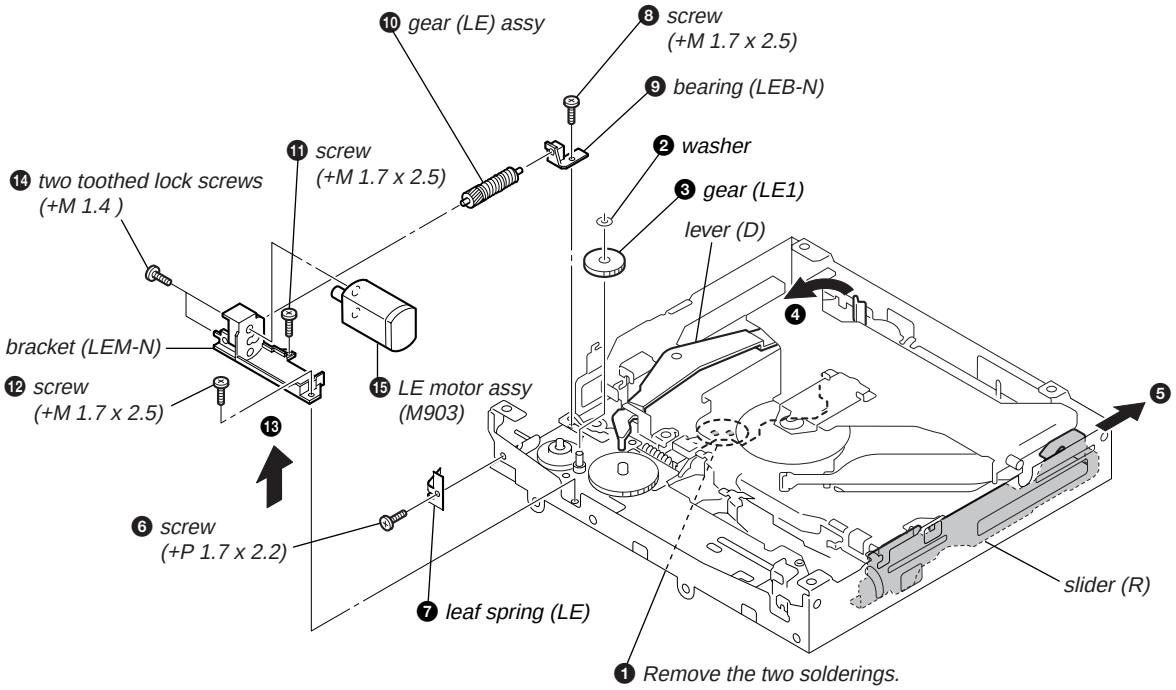
2-7. OPTICAL PICK-UP



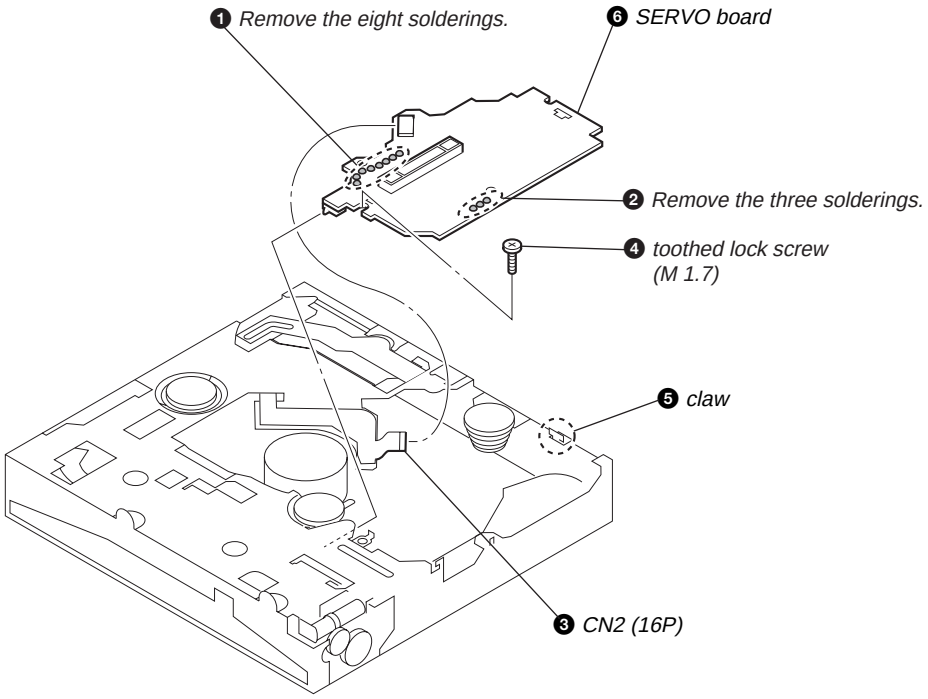
2-8. SL MOTOR ASSY (M902)



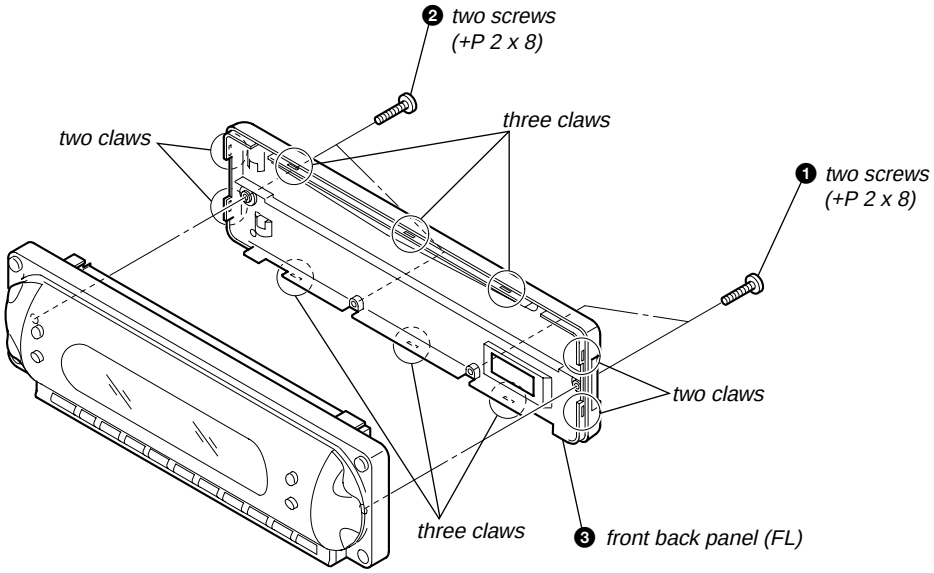
2-9. LE MOTOR ASSY (M903)



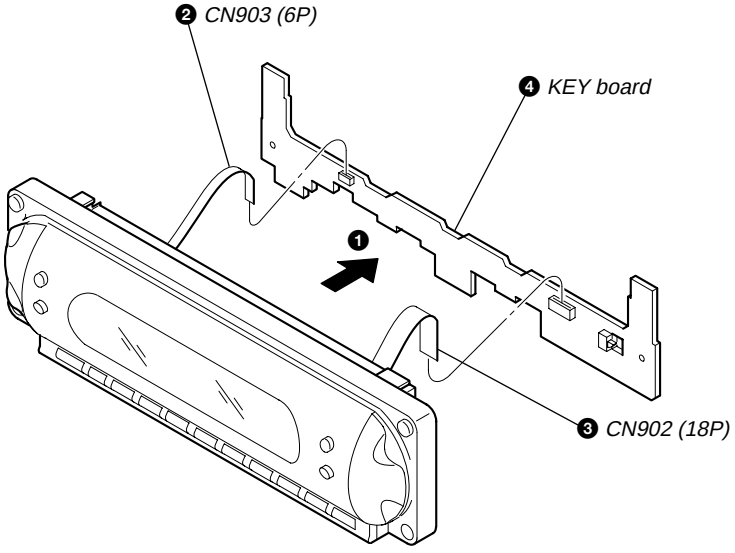
2-10. SERVO BOARD



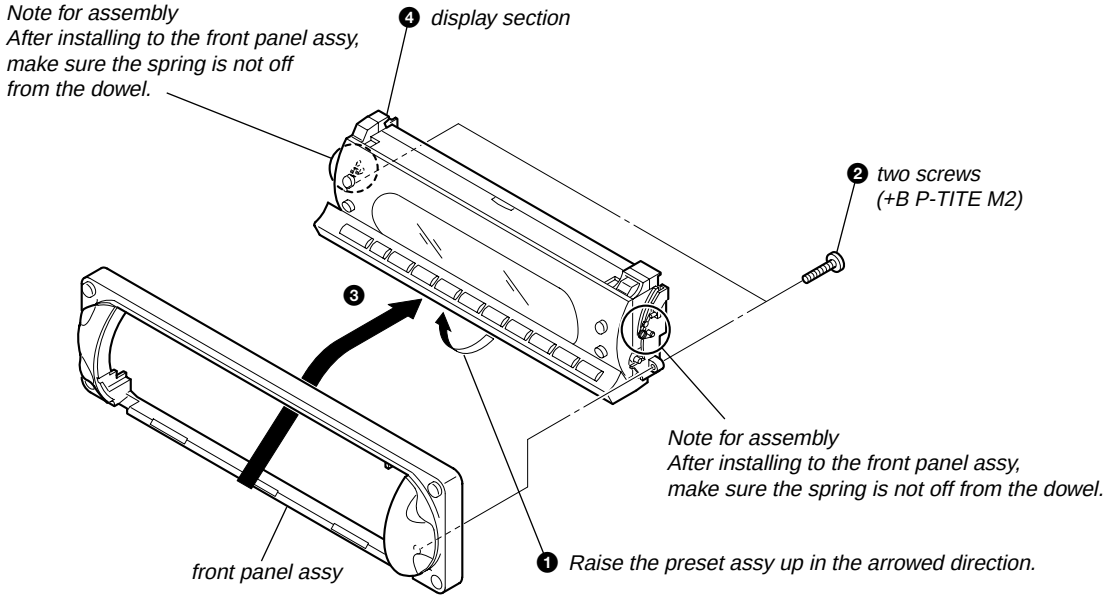
2-11. FRONT BACK PANEL (FL)



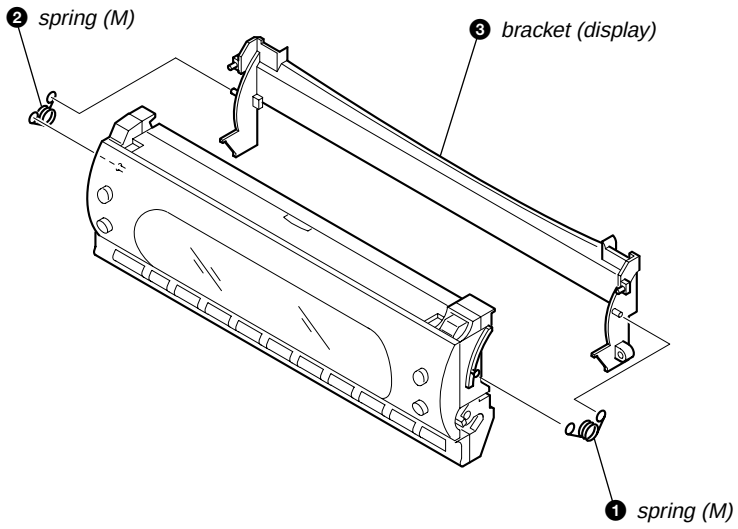
2-12. KEY BOARD



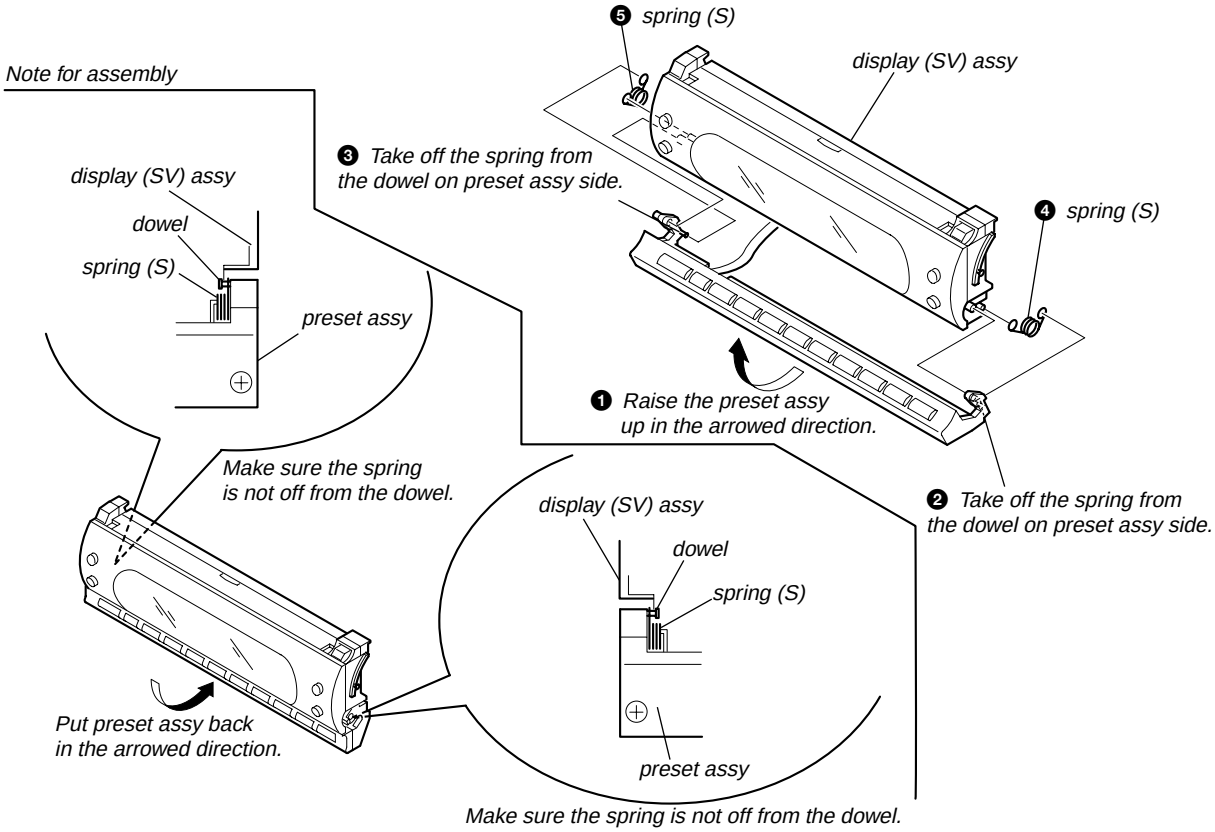
2-13. DISPLAY SECTION


Note for assembly
After installing to the front panel assy,
make sure the spring is not off
from the dowel.
❹ display section
❷ two screws
(+B P-TITE M2)
❸
Note for assembly
After installing to the front panel assy,
make sure the spring is not off from the dowel.
front panel assy
❶ Raise the preset assy up in the arrowed direction.

2-14. SPRING (M)



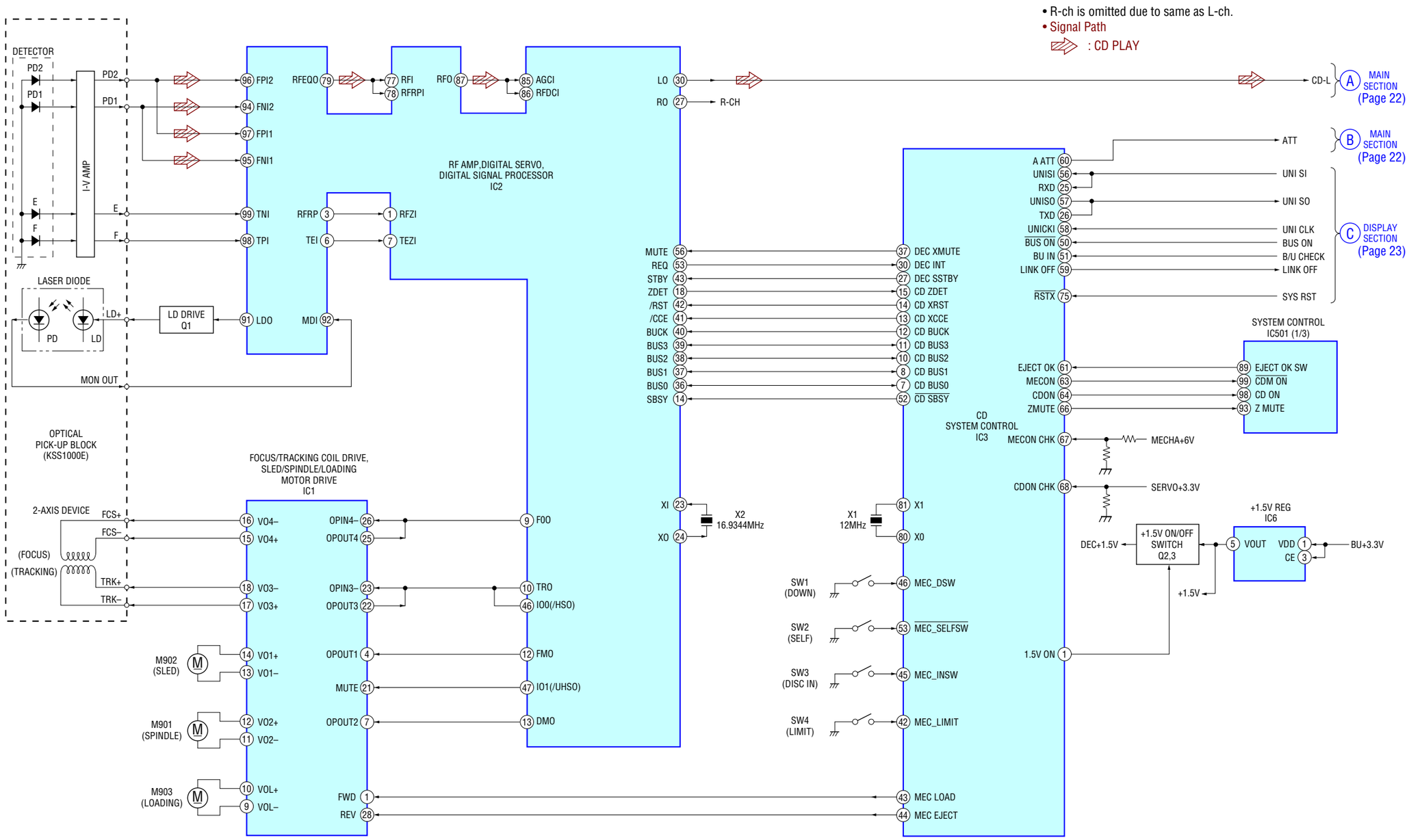
2-15. SPRING (S)


❺ spring (S)
display (SV) assy
Note for assembly
❸ Take off the spring from
the dowel on preset assy side.
display (SV) assy
dowel
spring (S)
preset assy
❹ spring (S)
❶ Raise the preset assy
up in the arrowed direction.
Make sure the spring
is not off from the dowel.
❷ Take off the spring from
the dowel on preset assy side.
display (SV) assy
dowel
spring (S)
Put preset assy back
in the arrowed direction.
preset assy
Make sure the spring is not off from the dowel.

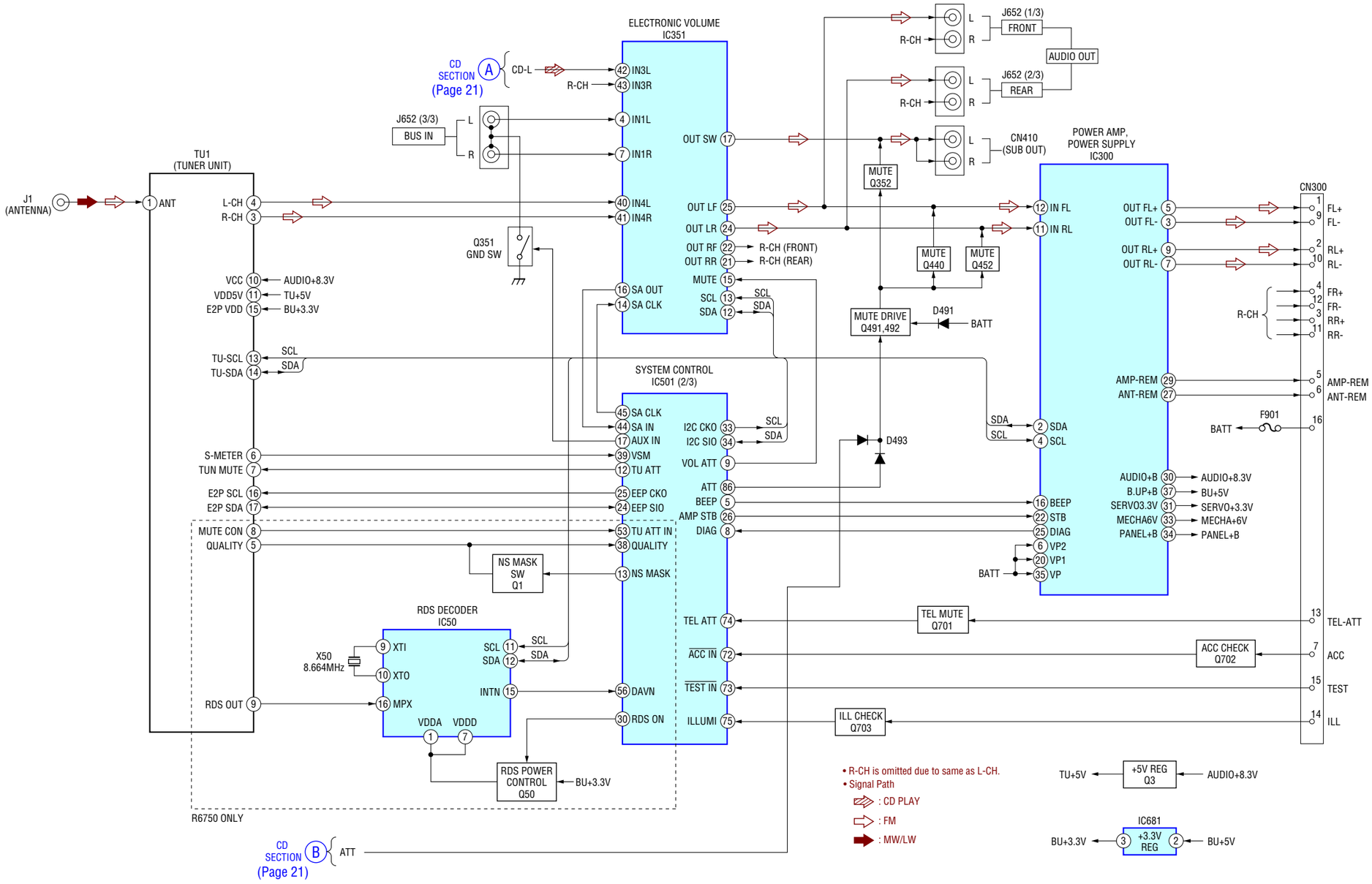
MEMO

SECTION 3
DIAGRAMS

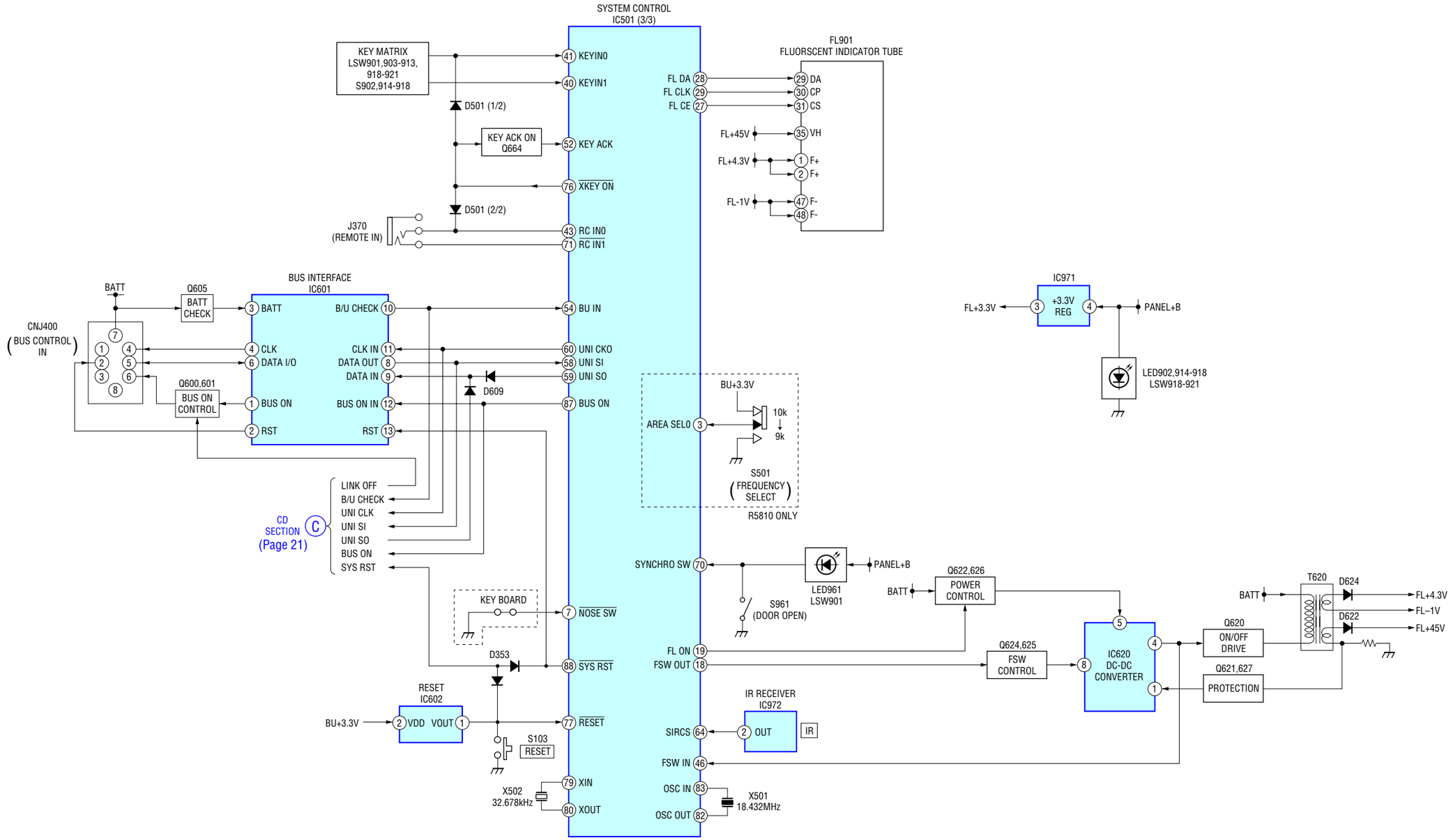
3-1. BLOCK DIAGRAM — CD SECTION —



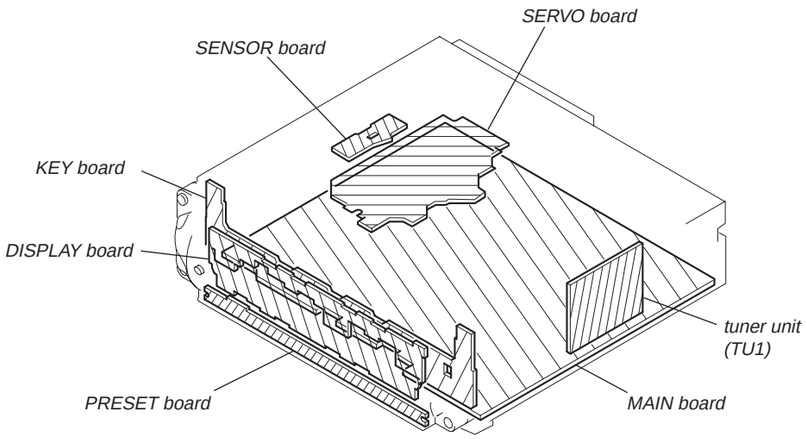
3-2. BLOCK DIAGRAM — MAIN SECTION —



3-3. BLOCK DIAGRAM — DISPLAY SECTION —



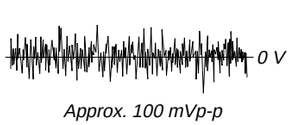
3-4. CIRCUIT BOARDS LOCATION



• WAVEFORMS

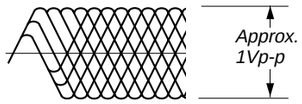
— SERVO BOARD — (CD PLAY)

① IC2 ④ (FEI)



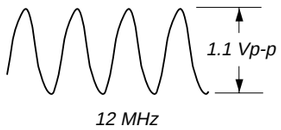
50 mV/DIV, 5 msec/DIV

④ IC2 ⑦⑦ (RFI)



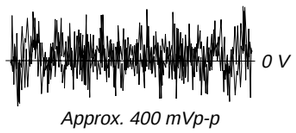
0.5 V/DIV, 0.5 µsec/DIV

⑦ IC3 ⑧① (X1)



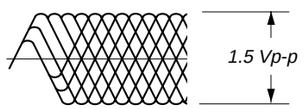
0.5 V/DIV, 0.2 µsec/DIV

② IC2 ⑥ (TEI)



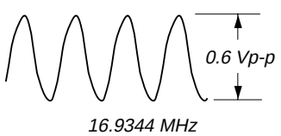
200 mV/DIV, 5 msec/DIV

⑤ IC2 ⑨④ (FNI2), ⑨⑤ (FNI1)



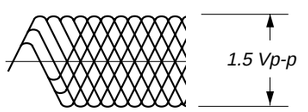
0.5 V/DIV, 0.5 µsec/DIV

③ IC2 ㉓ (XI)



0.2 V/DIV, 0.2 µsec/DIV

⑥ IC2 ⑨⑥ (FPI2), ⑨⑦ (FPI1)



0.5 V/DIV, 0.5 µsec/DIV

• NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

For schematic diagrams.

Note:

- All capacitors are in µF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- ▭ : panel designation.

Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

- ▬ : B+ Line.
- ▬ ▬ : B– Line.
- ▭ : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- CD mechanism section (1/2), (2/2)
  no mark : CD PLAY
- Main (1/2), (2/2), Key and Display sections
  no mark : FM
  ( ) : AM/MW/LW
  < > : CD PLAY
  * : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : CD PLAY
  ⇨ : FM
  ➡ : AM/MW/LW

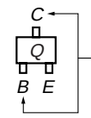
For printed wiring boards.

Note:

- o——— : parts extracted from the component side.
- ——— : parts extracted from the conductor side.
- ○ : Through hole.
- ▬ : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

Caution:	
Pattern face side: (Side B)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Side A)	Parts on the parts face side seen from the parts face are indicated.



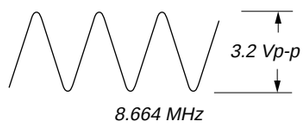
These are omitted

These are omitted

These are omitted

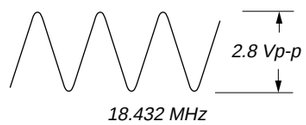
— MAIN BOARD —

① IC50 ⑩ (XTO)



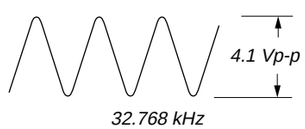
0.5 V/DIV, 0.2 µsec/DIV

③ IC501 ⑧② (OSCOUT)



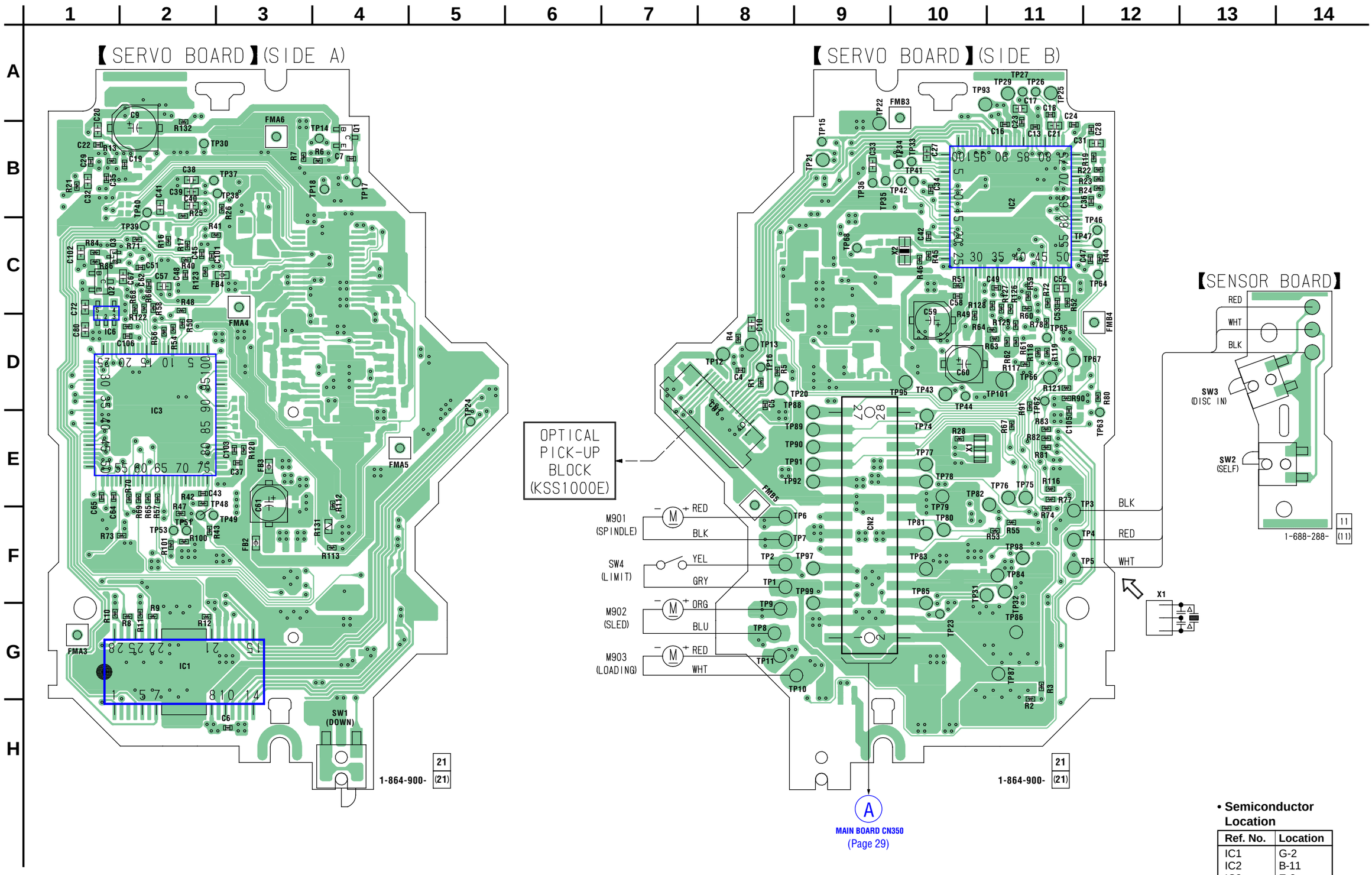
0.5 V/DIV, 0.1 µsec/DIV

② IC501 ⑧⓪ (XOUT)



0.2 V/DIV, 20 µsec/DIV

3-5. PRINTED WIRING BOARDS — CD MECHANISM SECTION — • Refer to page 24 for Circuit Boards Location. : Uses unleaded solder.

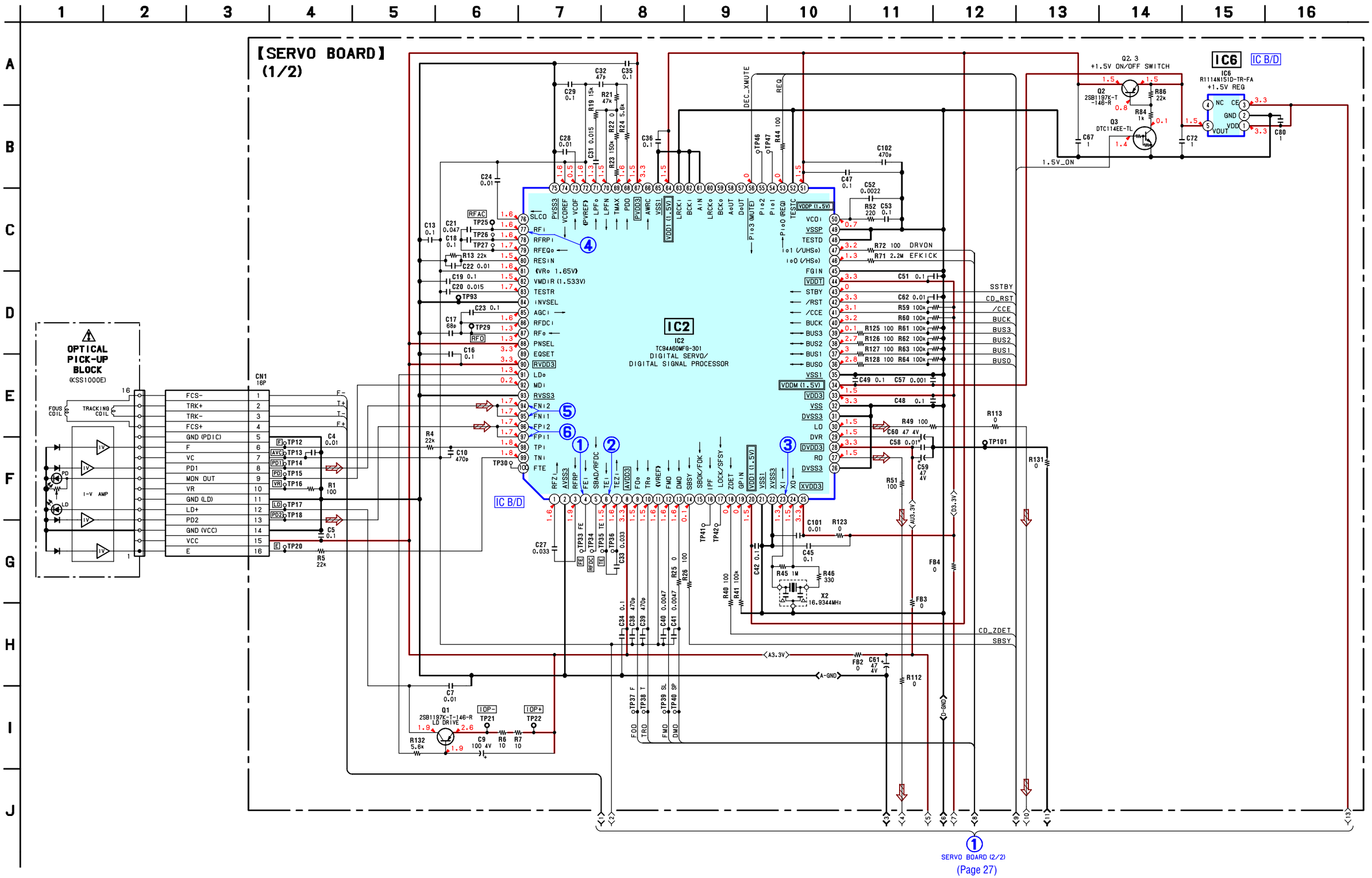


• **Semiconductor Location**

Ref. No.	Location
IC1	G-2
IC2	B-11
IC3	E-2
IC6	D-1
Q1	B-4
Q2	C-1
Q3	C-1

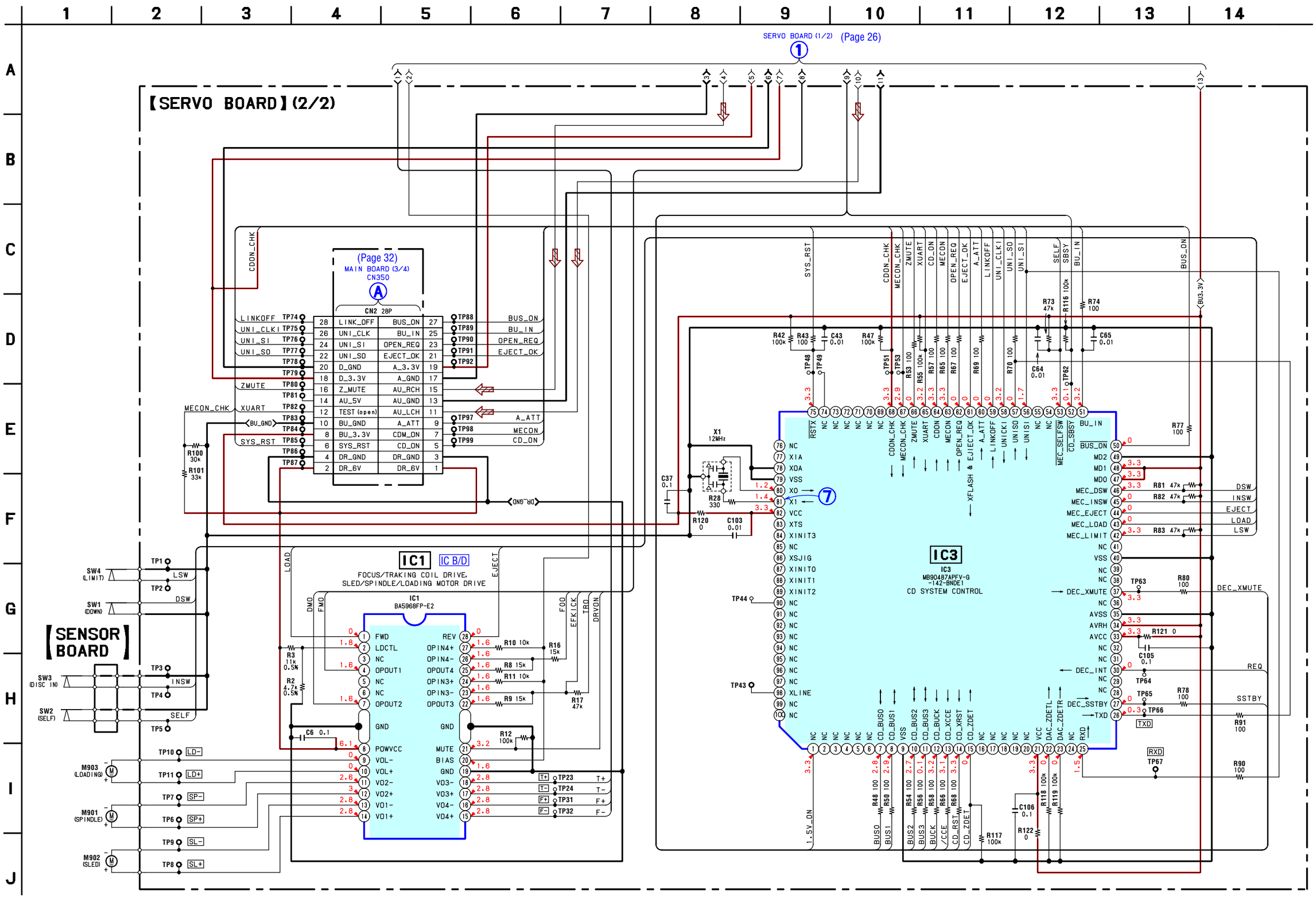
3-6. SCHEMATIC DIAGRAM — CD MECHANISM SECTION (1/2) —

• Refer to page 24 for Waveforms.
• Refer to page 39 for IC Block Diagrams.



• Refer to page 24 for Waveform.
• Refer to page 40 for IC Block Diagram.
• Refer to page 42 for IC Pin Description.

3-7. SCHEMATIC DIAGRAM — CD MECHANISM SECTION (2/2) —

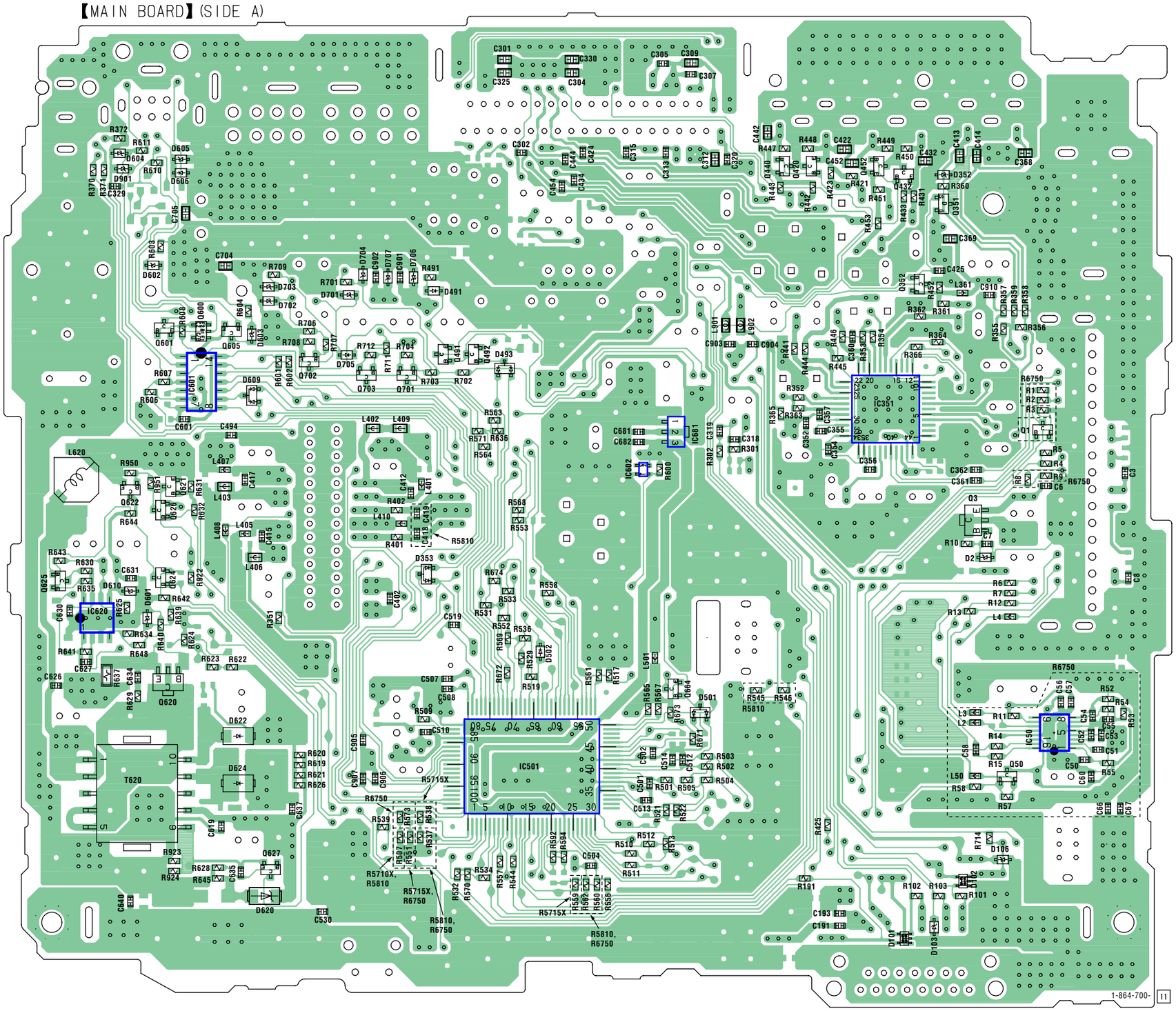


3-8. PRINTED WIRING BOARD — MAIN SECTION — • Refer to page 24 for Circuit Boards Location. : Uses unleaded solder.

• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D2	F-3	D705	D-8
D101	J-3	D706	D-8
D102	I-3	D707	D-8
D103	J-3	D901	C-10
D106	I-2		
(D301)	C-6	IC50	H-2
(D302)	C-6	(IC300)	B-6
(D303)	D-6	IC351	E-3
(D304)	D-7	IC501	H-7
(D305)	C-6	IC601	E-10
(D306)	C-6	IC602	E-6
(D307)	C-6	IC620	G-10
(D308)	C-6	IC681	E-5
(D309)	C-7		
(D310)	C-7	Q1	E-2
(D311)	C-7	Q3	F-3
(D312)	C-7	Q50	H-2
D352	C-3	Q351	C-3
D353	F-8	Q352	D-3
D491	D-7	Q420	C-4
D493	D-7	Q432	C-3
D501	G-5	Q440	C-4
D502	G-7	Q452	C-4
D601	G-10	Q491	D-7
D602	D-10	Q492	D-7
D603	D-9	Q600	D-10
D604	C-10	Q601	D-10
D605	C-10	Q605	D-9
D606	C-10	Q620	G-10
(D607)	D-9	Q621	F-10
D609	E-9	Q622	F-10
D610	F-10	Q624	F-10
D620	I-9	Q625	F-11
D622	H-9	Q626	F-10
D624	H-9	Q627	I-9
D701	D-8	Q664	G-5
D702	D-9	Q701	E-8
D703	D-9	Q702	E-9
D704	D-8	Q703	E-8

( ): SIDE B



【MAIN BOARD】
(SIDE B)

J652
BUS IN
AUDIO OUT
REAR
FRONT
CNJ410
(SUB OUT)
CNJ400
(BUS CONTROL IN)
J370
(REMOTE IN)
CN300
IC300
F901
J1
J1
(ANTENNA)
CN410
TU1
TUNER UNIT
R6750
R5810
S501
FREQUENCY
SELECT
9K
10K
X50
X502
X501
S103
RESET
CN370
L300
TH400
D607
C701
C600
C990

EXCEPT R6750

16	15	14	13	12	11	10	9								
8	7	6	5	4	3	2	1								
BLK	YEL	RED	BLU	BLU/WHT	SKY BLU	GRY	GRY/BLK	V1O	V1O/BLK	GRN/BLK	GRN	WHT	WHT/BLK		
GND	BATT	ACC	ANT REM	AMP REM	ATT	FRONT R-CH (+)	FRONT R-CH (-)	REAR R-CH (+)	REAR R-CH (-)	REAR L-CH (+)	REAR L-CH (-)	FRONT L-CH (+)	FRONT L-CH (-)		

R6750

YEL	16	15	14	13	12	11	10	9							
	8	7	6	5	4	3	2	1							
	BLK	RED	BLU	BLU/WHT	SKY BLU	GRY/BLK	GRY	V1O/BLK	V1O	GRN/BLK	GRN	WHT/BLK	WHT		
				AMP REM	ATT										

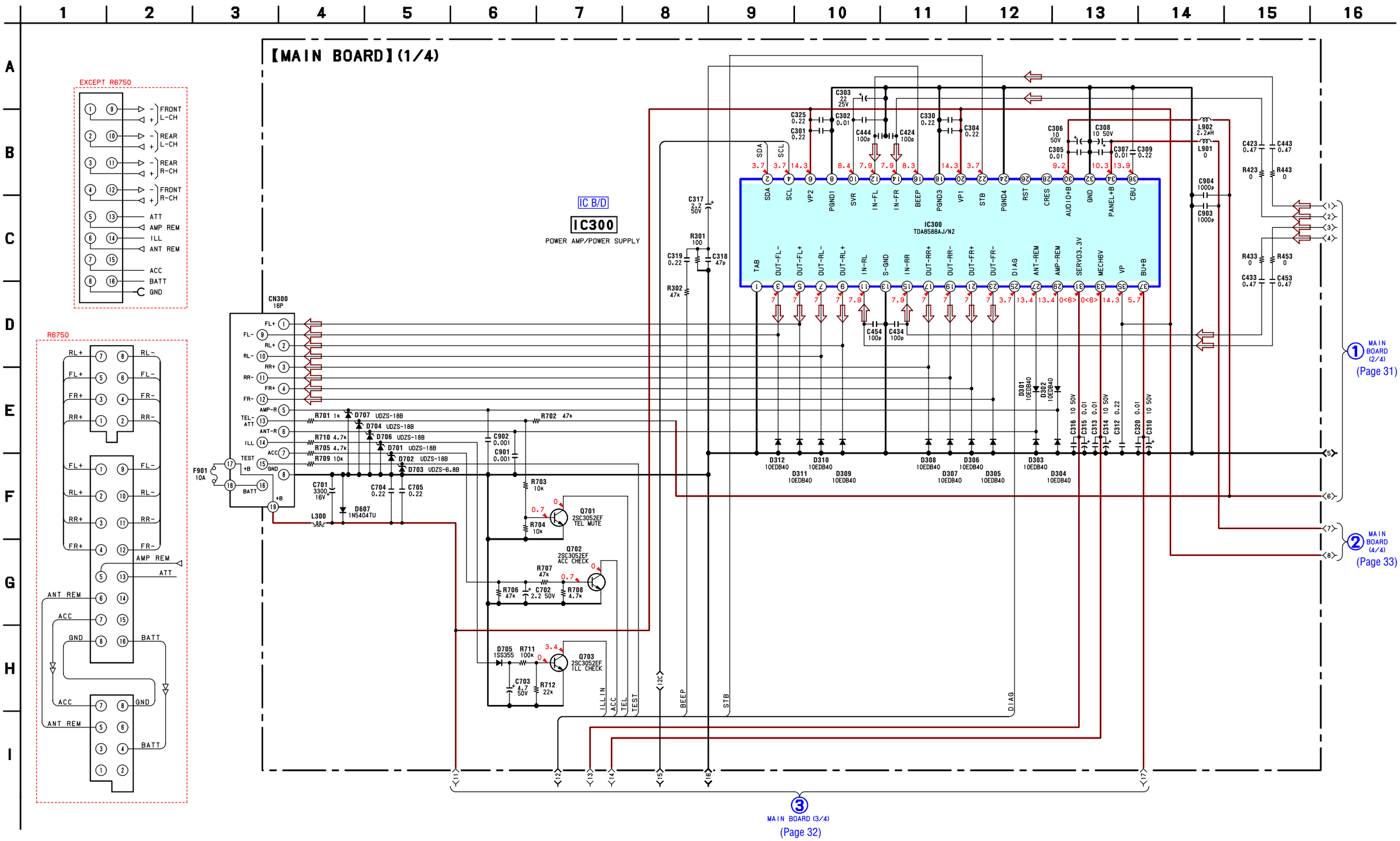
	7	5	3	1						7	5	3	1		
GND	ACC	ANT REM								R-L	F-L	F-R	R-R		
	8	6	4	2						8	6	4	2		
YEL			BATT												

A SERVO BOARD CN2
(Page 25)

B KEY BOARD CN901
(Page 35)

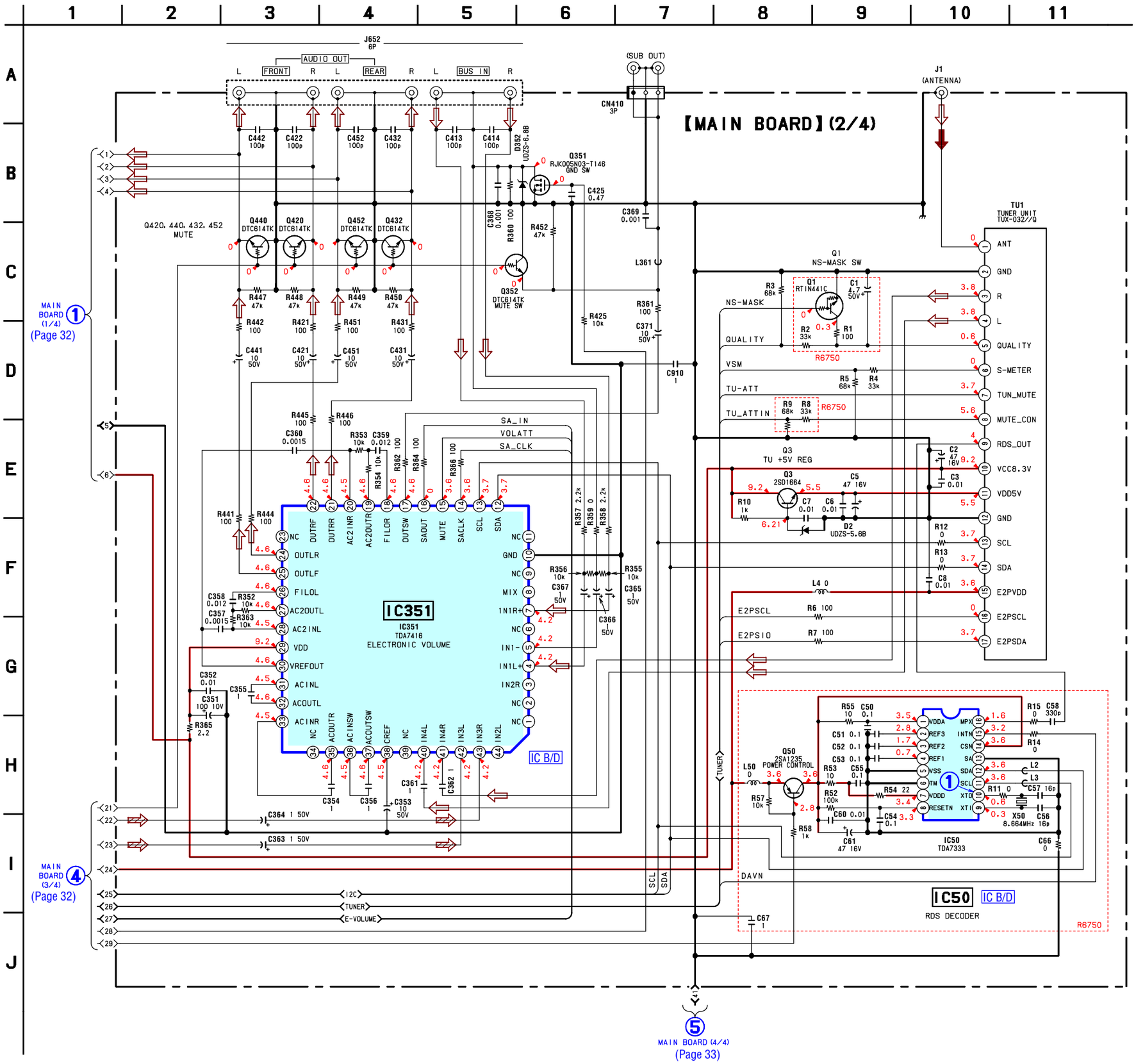
1-864-700-11

3-9. SCHEMATIC DIAGRAM — MAIN SECTION (1/4) — • Refer to page 40 for IC Block Diagram.



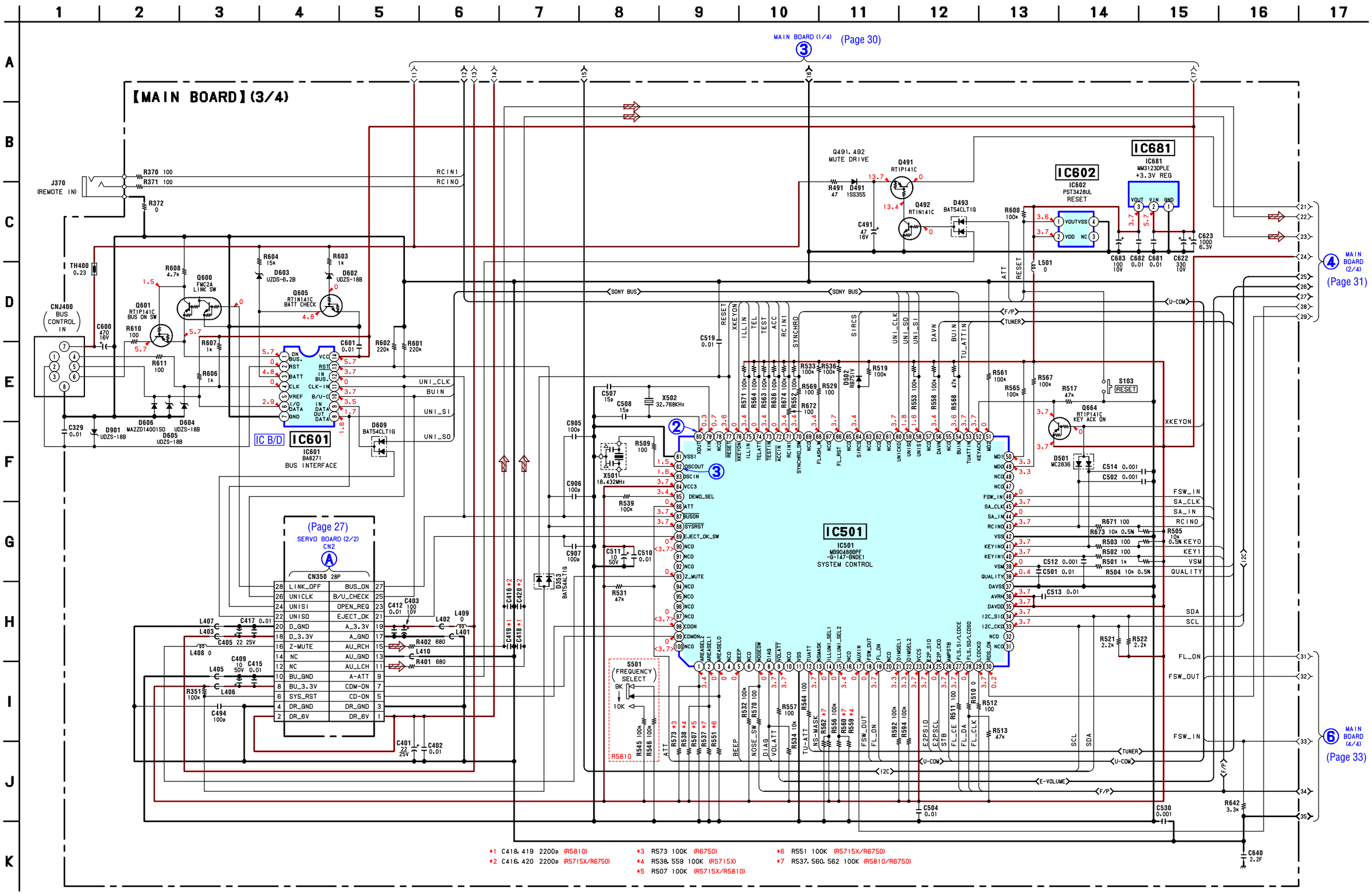
3-10. SCHEMATIC DIAGRAM — MAIN SECTION (2/4) —

• Refer to page 24 for Waveforms.
• Refer to page 40 for IC Block Diagrams.

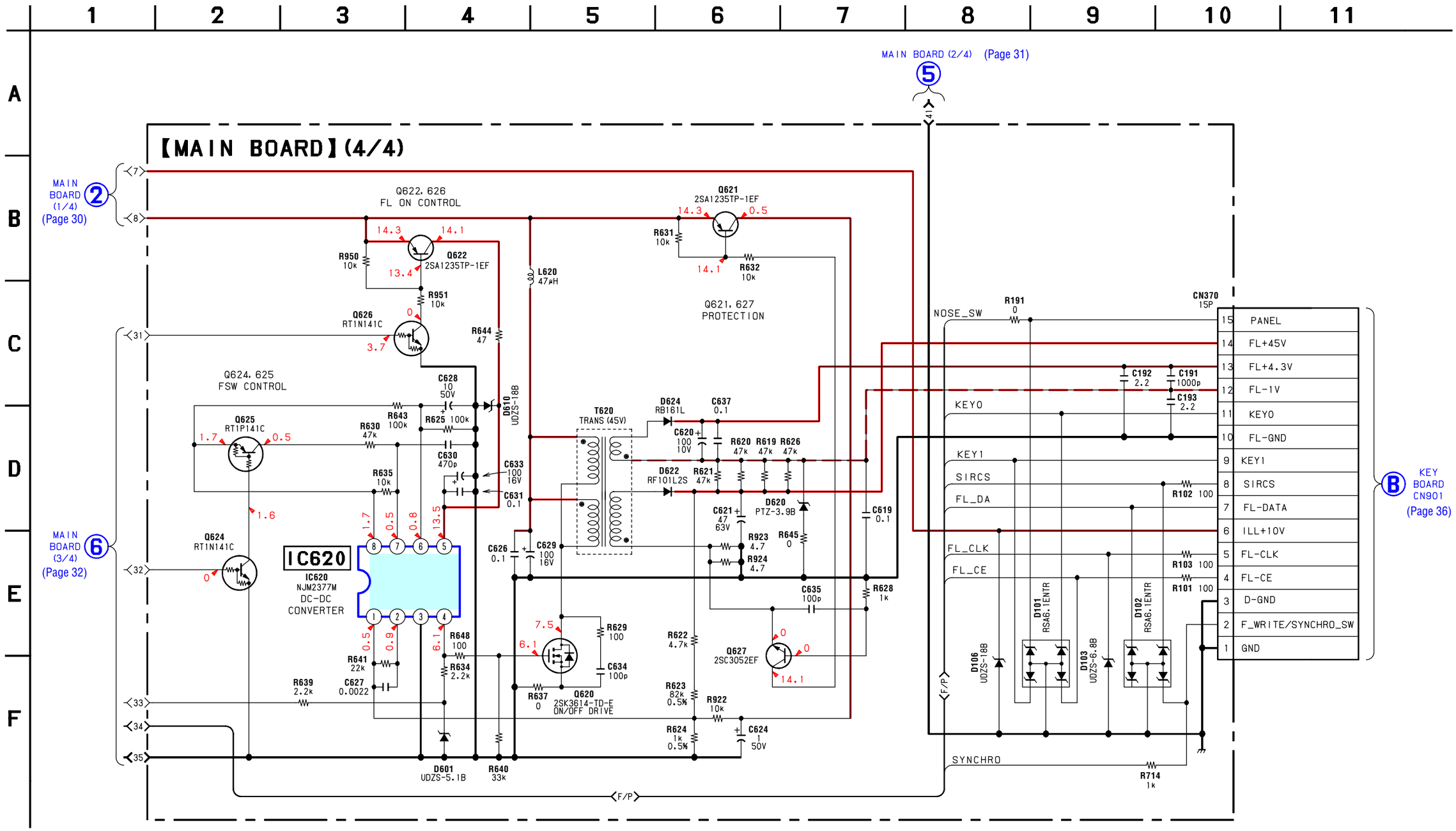


• Refer to page 24 for Waveform.
• Refer to page 39 for IC Block Diagram.
• Refer to page 44 for IC Pin Description.

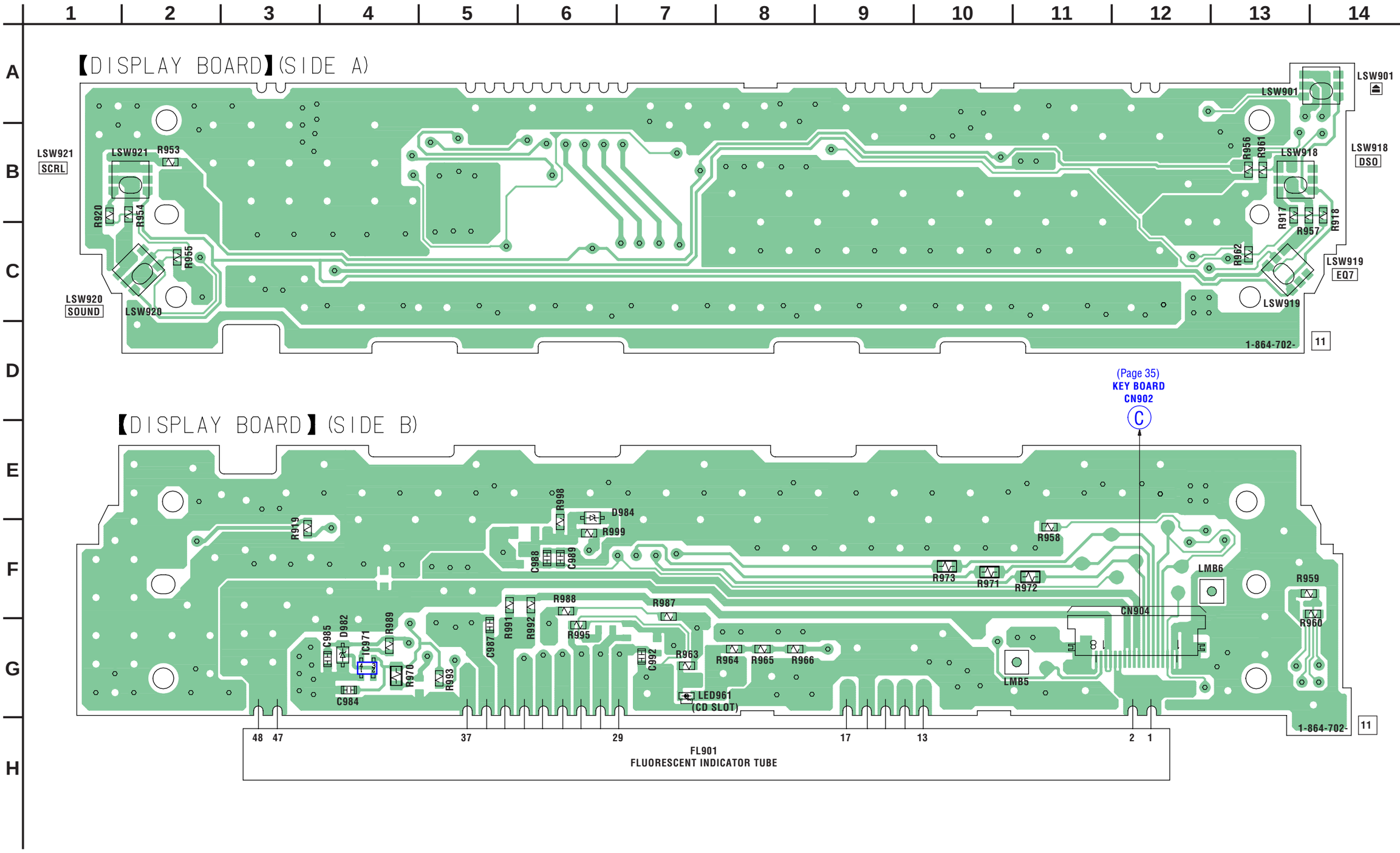
3-11. SCHEMATIC DIAGRAM — MAIN SECTION (3/4) —



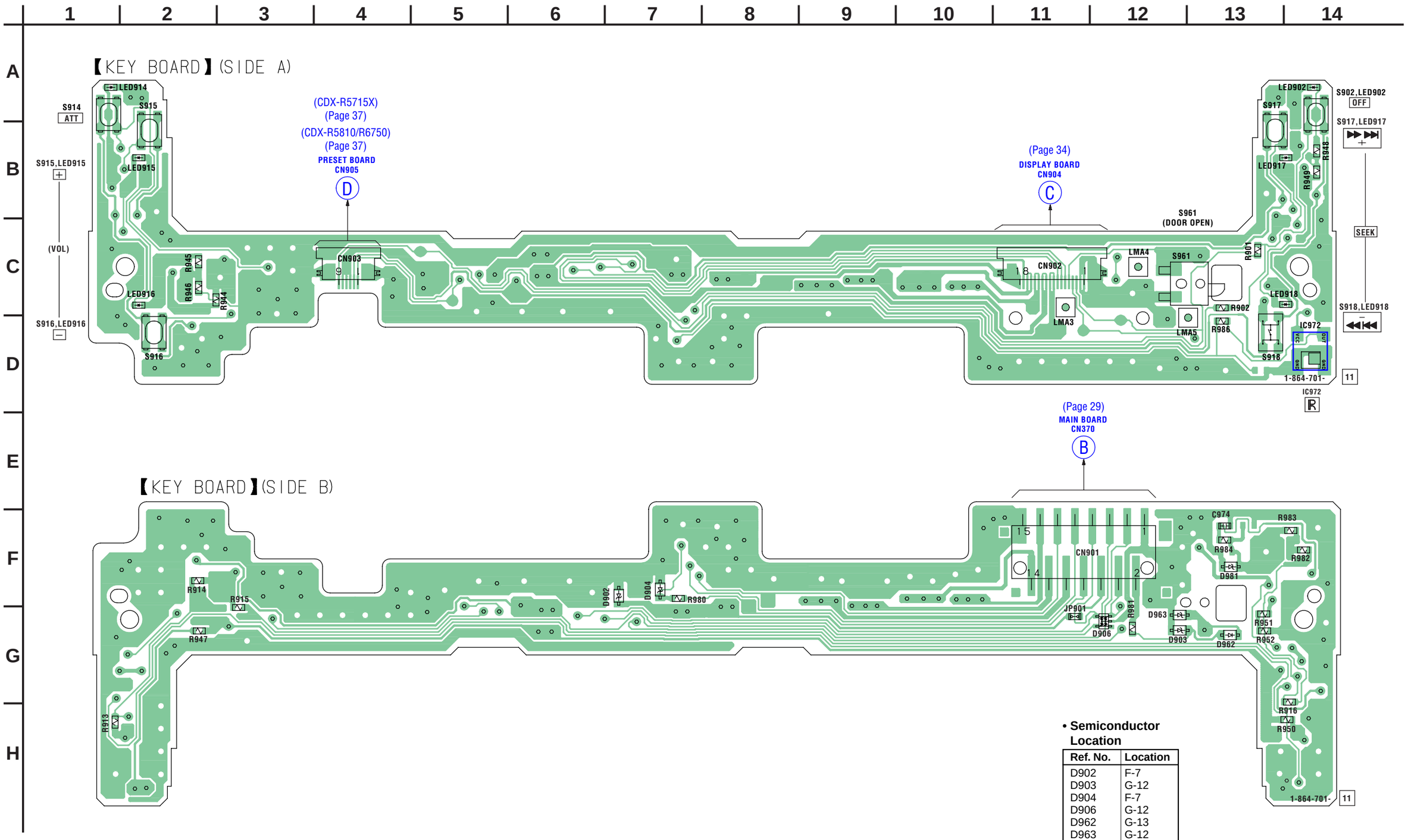
3-12. SCHEMATIC DIAGRAM — MAIN SECTION (4/4) —



3-13. PRINTED WIRING BOARD — DISPLAY SECTION — • Refer to page 24 for Circuit Boards Location. : Uses unleaded solder.



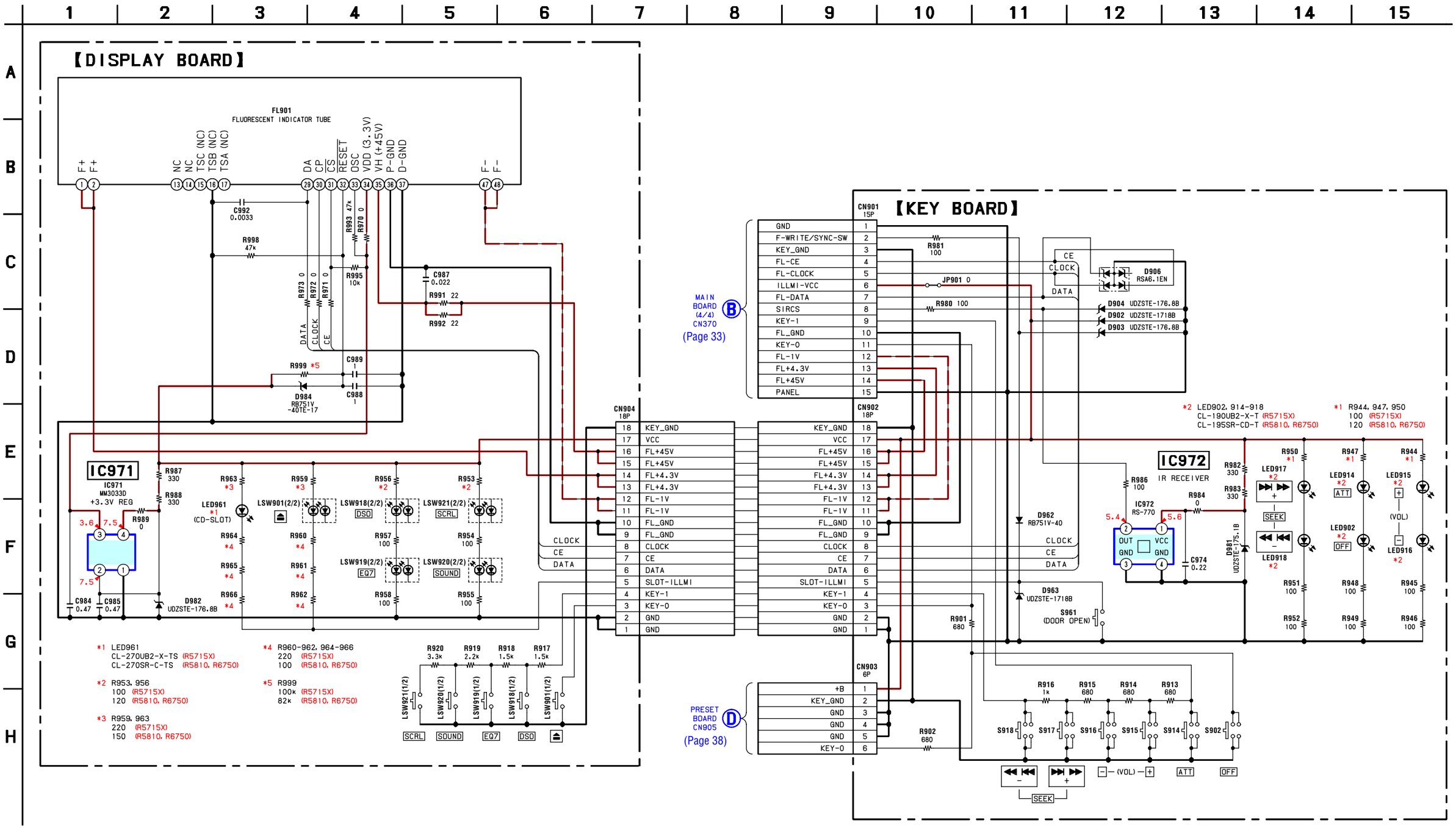
3-14. PRINTED WIRING BOARD — KEY SECTION — • Refer to page 24 for Circuit Boards Location. : Uses unleaded solder.



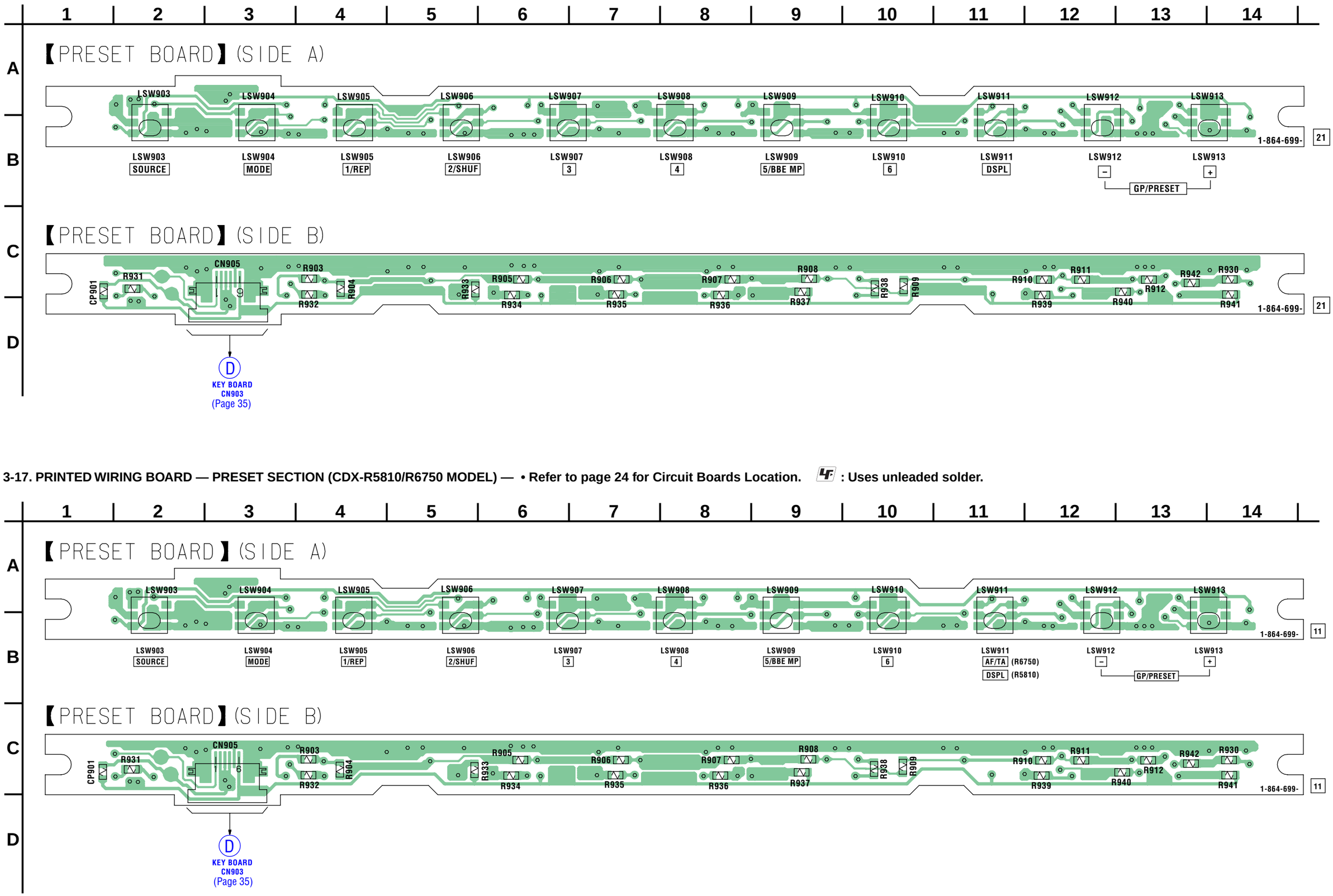
- **Semiconductor Location**

Ref. No.	Location
D902	F-7
D903	G-12
D904	F-7
D906	G-12
D962	G-13
D963	G-12
D981	F-13
IC972	D-14
LED902	A-14
LED914	A-2
LED915	B-2
LED916	C-2
LED917	B-13
LED918	C-13

3-15. SCHEMATIC DIAGRAM — DISPLAY SECTION —

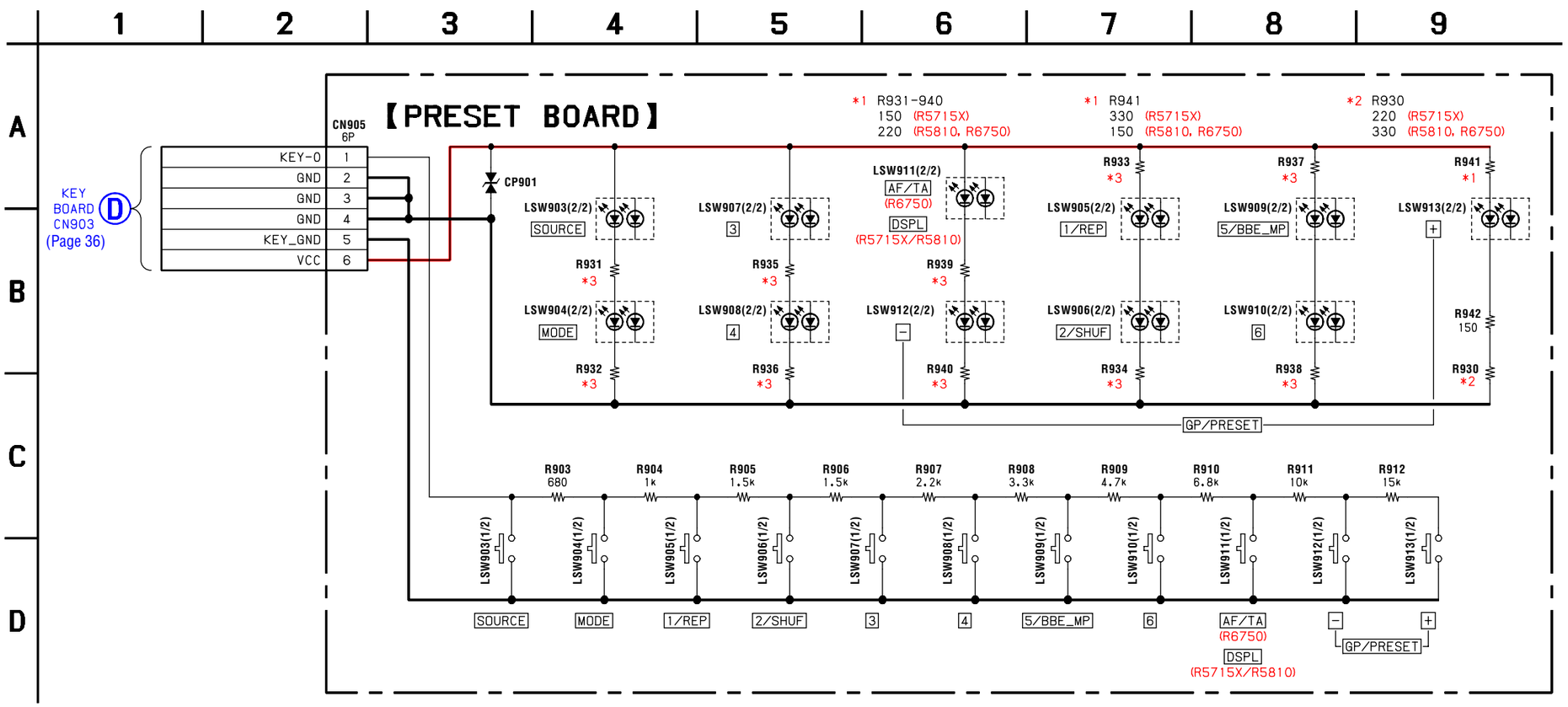


3-16. PRINTED WIRING BOARD — PRESET SECTION (CDX-R5715X MODEL) — • Refer to page 24 for Circuit Boards Location. : Uses unleaded solder.



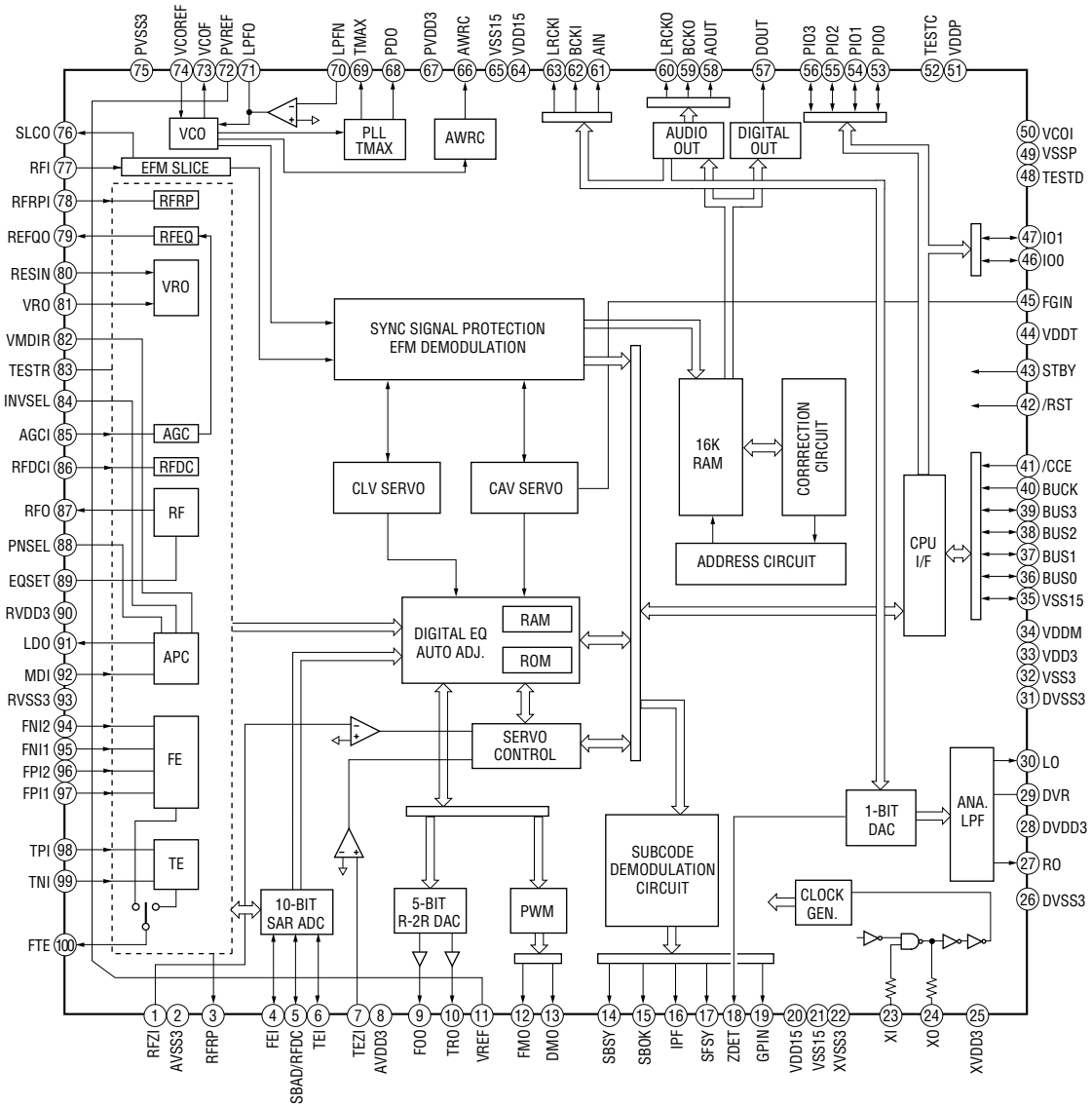
3-17. PRINTED WIRING BOARD — PRESET SECTION (CDX-R5810/R6750 MODEL) — • Refer to page 24 for Circuit Boards Location. : Uses unleaded solder.

3-18. SCHEMATIC DIAGRAM — PRESET SECTION —

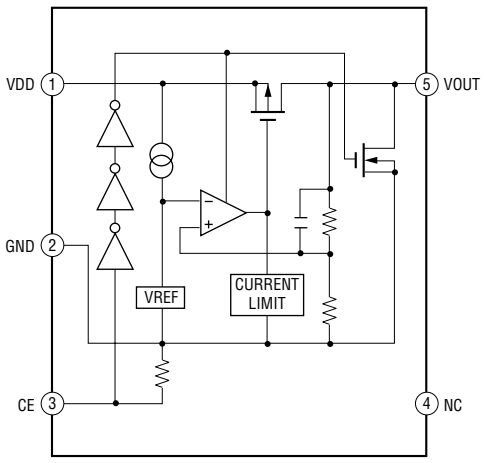


• IC BLOCK DIAGRAMS

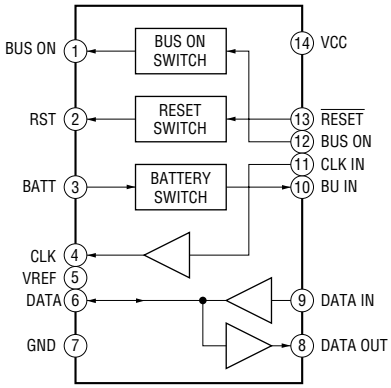
IC2 TC94A60MFG-301 (SERVO Board (1/2))



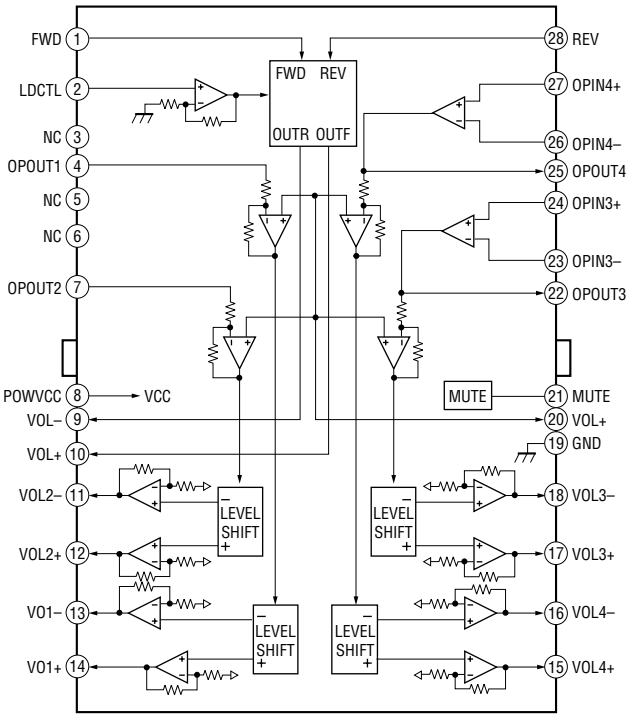
IC6 R1114N151D-TR-FA (SERVO Board (1/2))



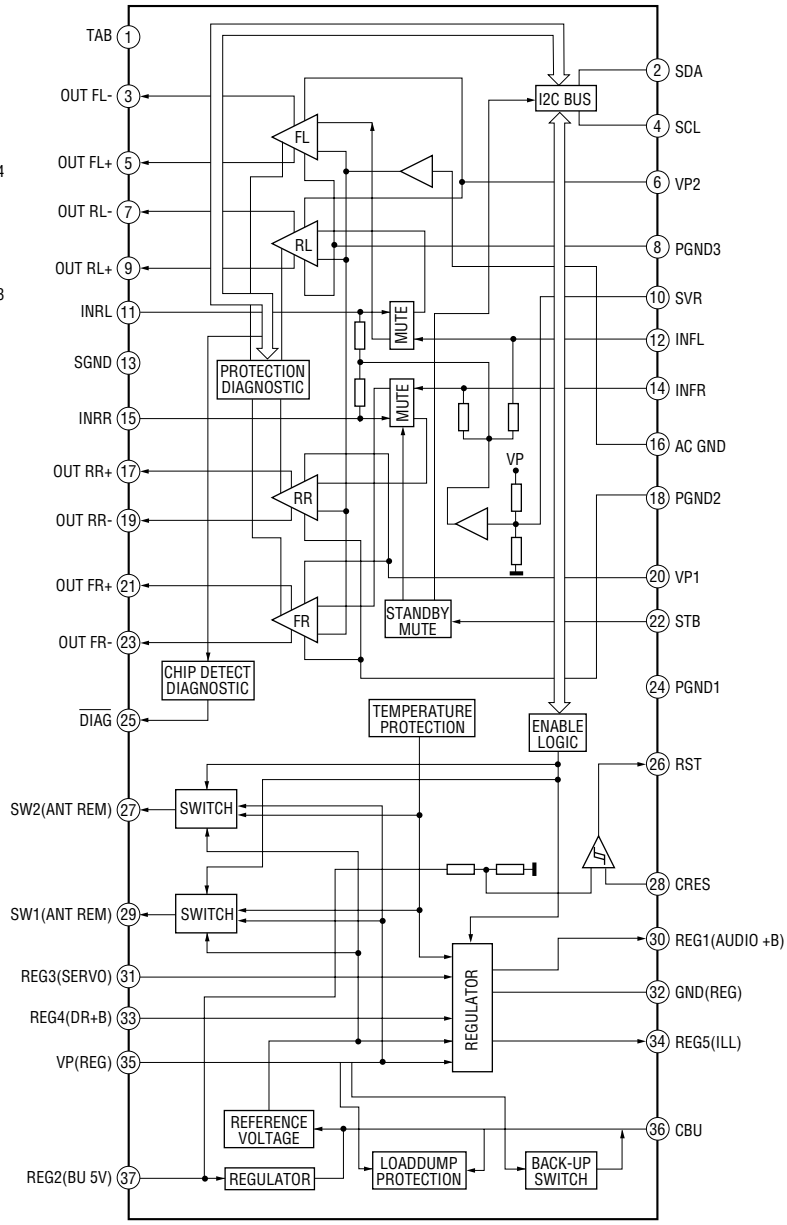
IC601 BA8271F-E2 (MAIN Board (3/4))



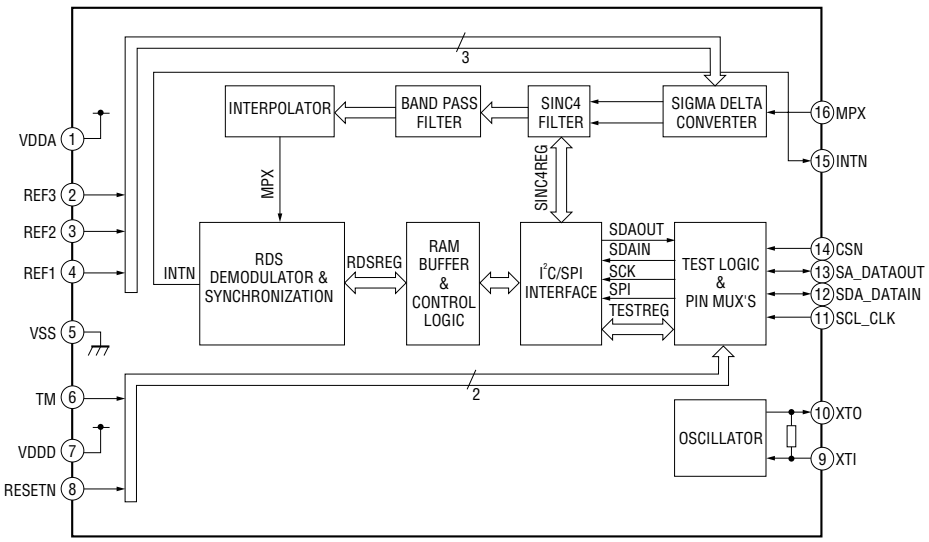
IC1 BA5968FP-E2 (SERVO Board (2/2))



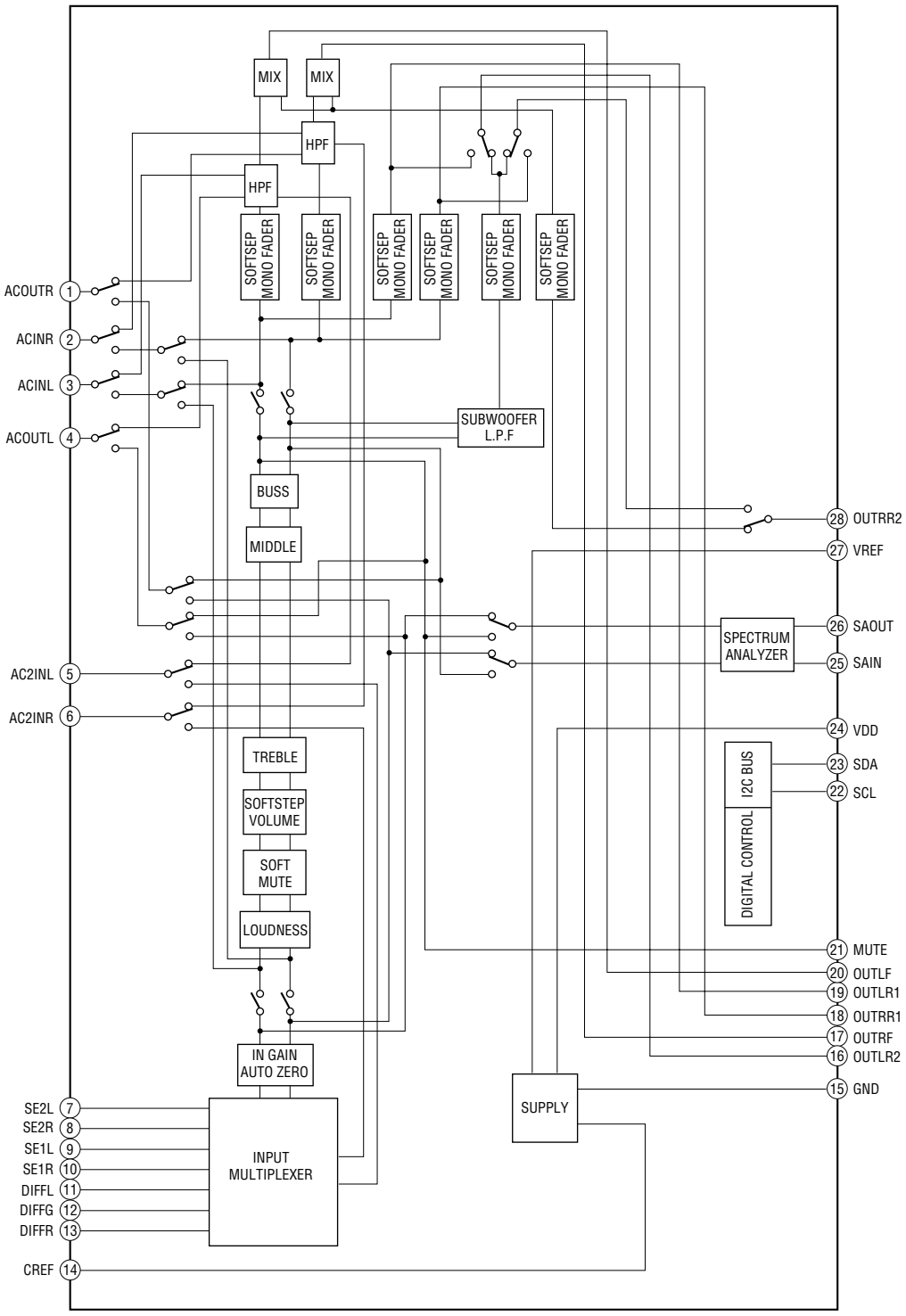
IC300 TDA8588AJ/N2/R1 (MAIN Board (1/4))



IC50 TDA7333013TR (MAIN Board (2/4))



IC351 TDA7416 (MAIN Board (2/4))



• IC PIN DESCRIPTIONS

• IC3 MB90487APFV-G-142-BNDE1 (CD SYSTEM CONTROL) (SERVO BOARD (2/2))

Pin No.	Pin Name	I/O	Pin Description
1	NC	O	Servo 1.5 V power supply control signal output
2 to 6	NC	—	Not used. (Open)
7	CD BUS0	I/O	Bus data signal input/output 0
8	CD BUS1	I/O	Bus data signal input/output 1
9	VSS	—	Ground pin
10	CD BUS2	I/O	Bus data signal input/output 2
11	CD BUS3	I/O	Bus data signal input/output 3
12	CD BUCK	O	Bus clock signal output
13	CD XCCE	O	Chip enable signal output
14	CD XRST	O	Reset signal output
15	CD ZDET	I	Zero detection signal input
16 to 20	NC	—	Not used. (Open)
21	VCC	—	Power supply pin (+3.3 V)
22	DAC ZDETL	I	Zero data detection signal input (L-ch)
23	DAC ZDETR	I	Zero data detection signal input (R-ch)
24	NC	—	Not used. (Open)
25	RXD	I	UART RXD data signal input (MCBUS/Flash data input)
26	TXD	O	UART TXD data signal output (MCBUS/Flash data output)
27	DEC SSTBY	O	SRAM STANDBY mode control signal output
28, 29	NC	—	Not used. (Open)
30	DEC INT	I	Request signal input
31, 32	NC	—	Not used. (Open)
33	AVCC	—	Power supply pin (+3.3 V) for A/D converter
34	AVRH	—	External reference voltage for A/D converter
35	AVSS	—	Ground pin
36	NC	—	Not used. (Open)
37	DEC XMUTE	O	Mute signal output L: mute
38, 39	NC	—	Not used. (Open)
40	VSS	—	Ground pin
41	NC	—	Not used. (Open)
42	MEC LIMIT	I	Sled limit in detection switch signal input
43	MEC LOAD	O	Loading motor signal output (Load direction)
44	MEC EJECT	O	Loading motor signal output (Eject direction)
45	MEC INSW	I	Pack-in detection signal input
46	MEC DSW	I	Chucking end detection switch signal input
47, 48	MD0, MD1	I	CPU operation mode designation signal input (Connect to Vcc.)
49	MD2	I	CPU operation mode designation signal input (Connect to Vss.)
50	$\overline{\text{BUS ON}}$	I	Bus on signal input L: bus on
51	BU IN	I	Backup on/off signal input H: backup on, L: backup off
52	$\overline{\text{CD SBSY}}$	I	SUBQ sync signal input L: interruption
53	$\overline{\text{MEC SELFSW}}$	I	Disc insert detection switch signal input L: disc in interruption
54, 55	NC	—	Not used. (Open)
56	UNISI	I	Serial data signal input
57	UNISO	O	Serial data signal output
58	UNICKI	I	Serial clock signal input
59	LINEOFF	O	Line off signal output
60	A ATT	O	Audio attenuation signal output H: ATT on
61	EJECT OK	I	Front panel open signal input H: eject
62	OPEN REQ	O	Front panel open/close request signal output H: open request
63	MECON	O	Mechanism deck power supply control signal output
64	CDON	O	Servo power supply control signal output

Pin No.	Pin Name	I/O	Pin Description
65	XUART	I	Sony-Bus/MC-Bus change signal input H: Sony-Bus, L: MC-Bus
66	ZMUTE	O	Zero detection mute signal output
67	MECON CHK	I	MECON rising detection signal input
68	CDON CHK	I	CDON rising detection signal input
69 to 74	NC	—	Not used. (Open)
75	$\overline{\text{RSTX}}$	I	System reset signal input
76	NC	—	Not used. (Open)
77	X1A	—	Sub-clock connect pin Not used in this set. (Open)
78	X0A	—	Sub-clock connect pin Not used in this set. (Connect to Vss.)
79	VSS	—	Ground pin
80	X0	I	Main-clock connect pin (12 MHz)
81	X1	O	Main-clock connect pin (12 MHz)
82	VCC	—	Power supply pin (+3.3 V)
83	XTS	I	Not used in this set. (Open)
84	XINIT3	I	Not used in this set. (Open)
85	NC	—	Not used. (Open)
86	XSJIG	I	Not used in this set. (Open)
87 to 89	XINIT0 to 2	I	Not used in this set. (Open)
90 to 97	NC	—	Not used. (Open)
98	XLINE	I	Not used in this set. (Open)
99, 100	NC	—	Not used. (Open)

• IC501 MB90488BPF-G-147-BNDE1 (SYSTEM CONTROL) (MAIN BOARD (3/4))

Pin No.	Pin Name	I/O	Pin Description
1	AREA SEL2	I	Destination setting pin
2	AREA SEL1	I	Destination setting pin
3	AREA SEL0	I	Destination setting pin
4	NCO	O	Not used
5	BEEP	O	Beep signal output
6	NCO	O	Not used
7	NOSE SW	I	Front panel open/close detect signal input
8	DIAG	I	Power AMP status signal input
9	VOL ATT	O	Electronic volume attenuate control signal output
10	NCO	I	Not used
11	VSS	—	Ground
12	TU ATT	O	Tuner mute control signal output
13	NS MASK	O	Noise mask signal output
14	ILLUMI SEL1	I	Illumination voltage setting pin
15	ILLUMI SEL2	I	Illumination voltage setting pin
16	NCO	O	Not used
17	AUX IN	O	AUX/Light select signal output
18	FSW OUT	O	DC/DC converter OSC frequency control signal output
19	FL ON	O	FL power ON/OFF control signal output
20	NCO	O	Not used
21	DIM SEL1	I	FL tube dimmer setting pin
22	DIM SEL2	I	FL tube dimmer setting pin
23	VCC5	—	Power supply pin (+3.3V)
24	EEP SIO	I/O	EEPROM bus serial data input/output
25	EEP CKO	O	EEPROM bus serial clock output
26	AMP STB	O	Power AMP standby signal output
27	FLS CS	O	FL driver chip enable output
28	FLS SO	O	FL driver serial data output
29	FL SCK	O	FL driver serial clock output
30	RDS ON	O	RDS ON signal output
31	NCO	O	Not used
32	NCO	O	Not used
33	I2C SCK	O	I2C bus serial clock output
34	I2C SIO	I/O	I2C bus serial data input/output
35	DAVDD	—	A/D converter power supply pin (+3.3V)
36	AVRH	—	A/D converter reference power supply pin (+3.3V)
37	DAVSS	—	Ground
38	QUALITY	I	Noise detect signal input
39	VSM	I	S-meter voltage detect signal input
40	KEY IN1	I	Key signal input
41	KEY IN0	I	Key signal input
42	VSS	—	Ground
43	RC IN0	I	Rotary commander key signal input
44	SA_IN	I	Spectrum analyzer data signal input
45	SA_CKO	O	Spectrum analyzer clock signal output
46	FSW IN	I	DC/DC converter OSC frequency signal input
47	NCO	O	Not used
48	NCO	O	Not used
49	MD0	I	Operation mode setting pin
50	MD1	I	Operation mode setting pin
51	MD2	I	Operation mode setting pin
52	KEY ACK	I	Key acknowledgment detect signal input

Pin No.	Pin Name	I/O	Pin Description
53	TU ATT IN	I	Tuner mute zero cross detect signal input
54	BU IN	I	Back-up power supply detect signal input
55	NCO	O	Not used
56	DAVN	I	RDS data block synchronized detect signal input
57	NCO	O	Not used
58	UNI SI	I	SONY bus data input
59	UNI SO	O	SONY bus data output
60	UNI SCK	O	SONY bus clock output
61	NCO	O	Not used
62	NCO	O	Not used
63	NCO	O	Not used
64	SIRCS	I	Remote control signal input
65	NCO	O	Not used
66	FL RST	O	FL driver reset output
67	NCO	O	Not used
68	FLASH W	I	Memory mode select signal input
69	NCO	O	Not used
70	SYNCHRO SW	I	Synchro CD door open/close detect signal input
71	RC IN1	I	Rotary commander shift key signal input
72	ACC IN	I	Accessory power supply detect signal input
73	TEST IN	I	Test mode detect signal input
74	TEL ATT	I	Telephone attenuate detect signal input
75	ILLU IN	I	Illumination detect signal input
76	XKEY ON	O	A/D converter power supply control signal output
77	RESET	I	CPU reset input
78	NCO	O	Not used
79	XIN	—	Sub-clock input (32.768kHz)
80	XOUT	—	Sub-clock output (32.768kHz)
81	VSS1	—	Ground
82	OSC OUT	—	Main-clock output (3.68MHz)
83	OSC IN	—	Main-clock input (3.68MHz)
84	VCC3	—	Power supply pin (+3.3V)
85	DEMO SEL	I	Demo select signal input
86	ATT	O	Audio mute control signal output
87	BUS ON	O	Bus ON signal output
88	SYS RST	O	System reset output
89	EJECT OK SW	O	Eject OK signal output
90	NCO	O	Not used
91	NCO	O	Not used
92	NCO	O	Not used
93	Z-MUTE	I	Z-Mute signal input
94	NCO	O	Not used
95	NCO	O	Not used
96	NCO	O	Not used
97	NCO	O	Not used
98	CD ON	I	CD servo power control request signal input
99	CDM ON	I	CD deck power control request signal input
100	NCO	O	Not used

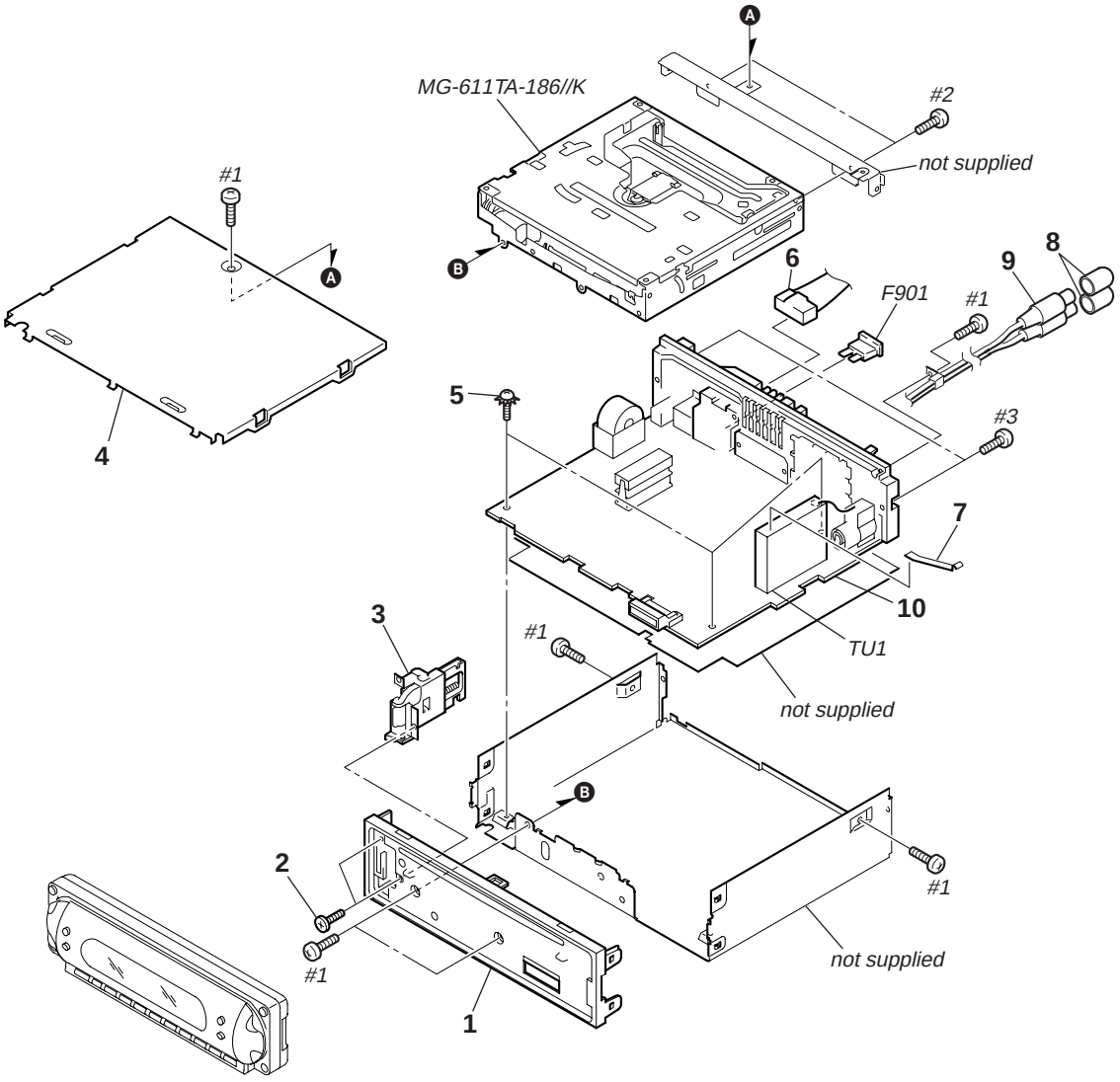
SECTION 4
EXPLODED VIEWS

NOTE:
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example :
  KNOB, BALANCE (WHITE) ... (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Accessories are given in the last of this parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

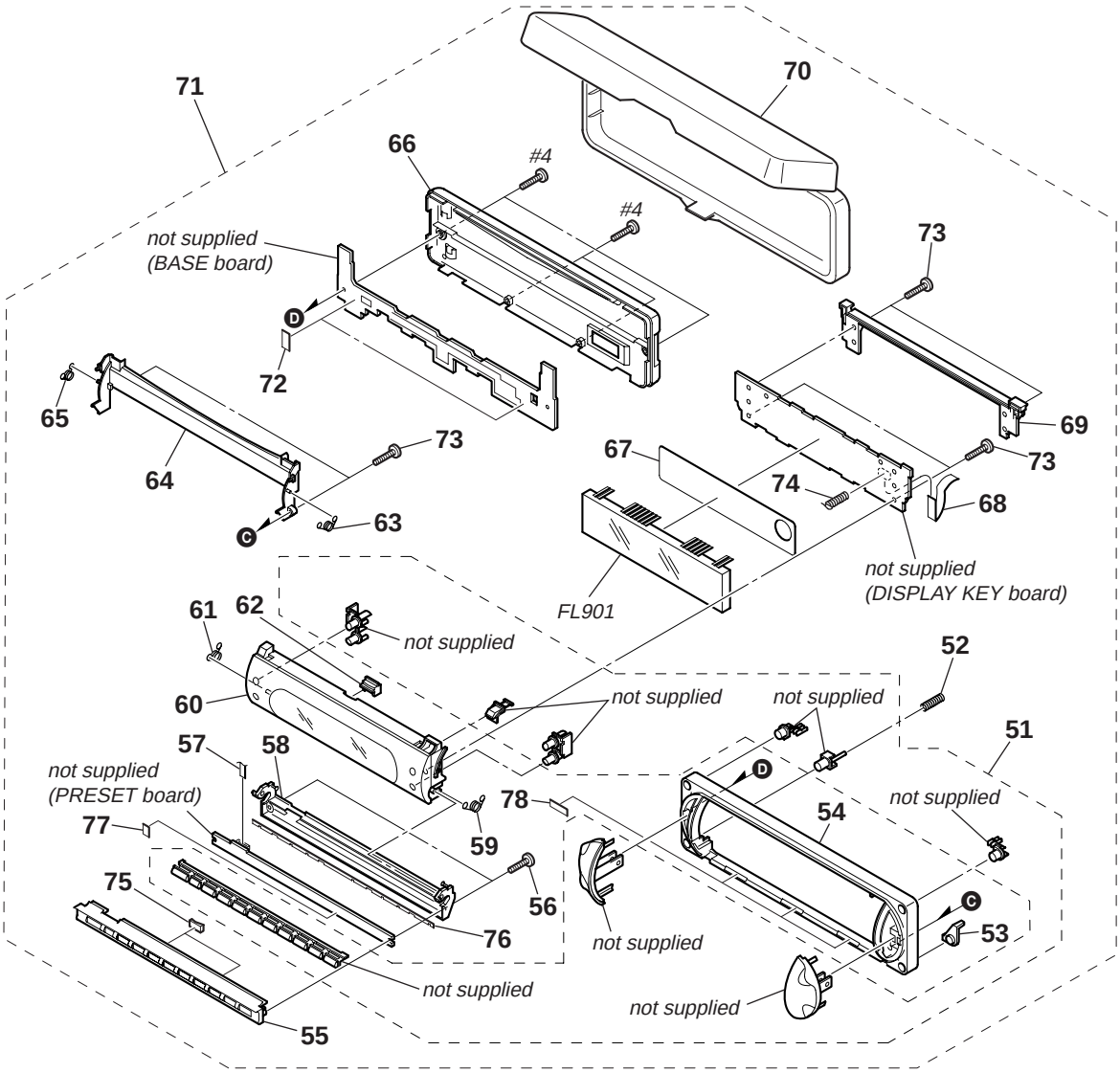
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

4-1. MAIN SECTION



Ref. No.	Part No.	Description	Remark
1	X-2025-448-1	PANEL (FL) ASSY, SUB	
2	2-583-939-01	SCREW (+B 2X4)	
3	X-2055-203-1	LOCK ASSY (S)	
4	3-246-006-31	COVER	
5	2-348-996-01	SCREW (+PTT 2.6X6), GROUND POINT	
6	1-776-207-72	CORD (WITH CONNECTOR) (POWER)	(R5715X/R5810)
6	1-776-527-71	CORD (WITH CONNECTOR) (ISO) (POWER)	(R6750)
7	2-345-298-01	PLATE (TU), GROUND	
8	2-591-213-01	CAP	
9	1-790-355-54	CORD (WITH CONNECTOR) (RCA)	(SUB OUT (MONO))
10	A-1089-307-A	MAIN BOARD, COMPLETE (R6750)	
10	A-1089-335-A	MAIN BOARD, COMPLETE (R5810)	
10	A-1089-444-A	MAIN BOARD, COMPLETE (R5715X)	
F901	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A	
TU1	A-3220-961-A	TUNER UNIT (TUX-032)	
#1	7-685-792-09	SCREW +PTT 2.6X6 (S)	
#2	7-685-790-01	SCREW +PTT 2.6X4 (S)	
#3	7-685-793-09	SCREW +PTT 2.6X8 (S)	

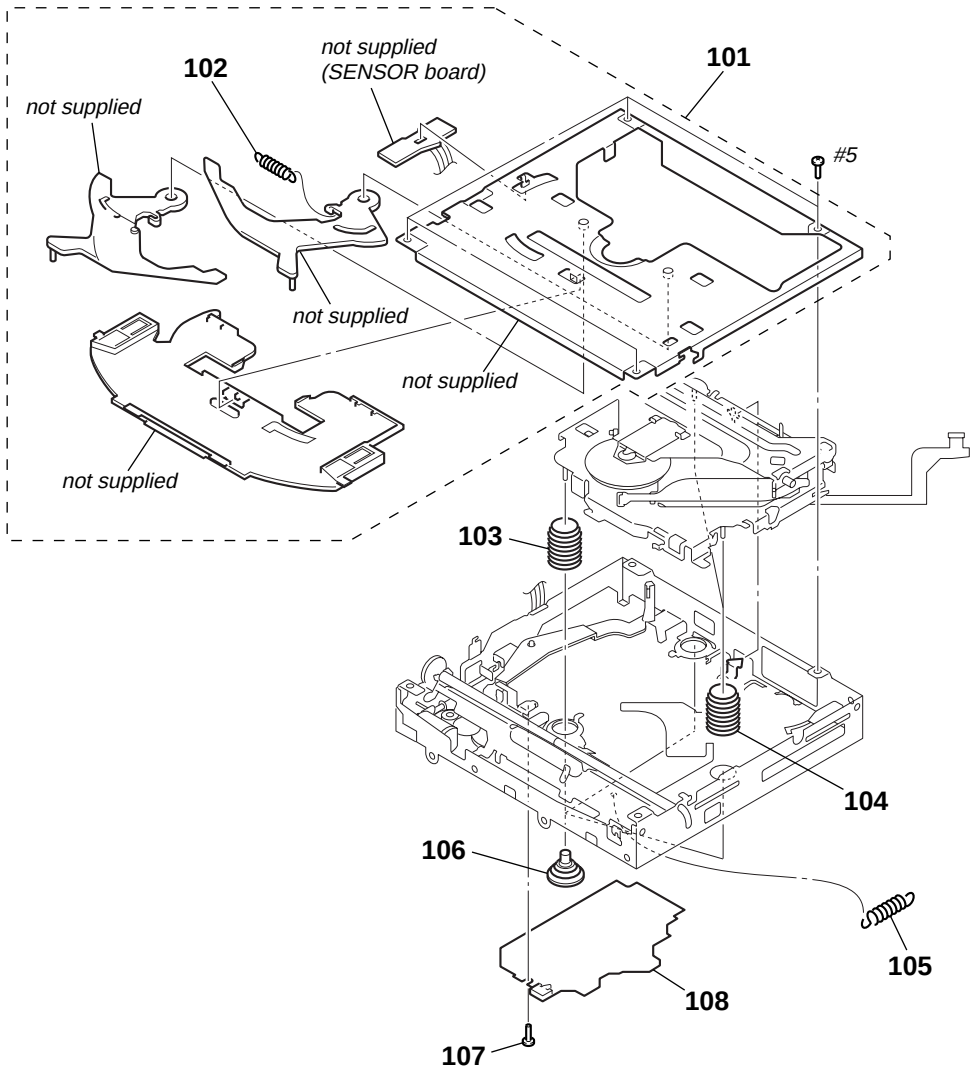
4-2. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
51	X-2025-391-3	BUTTON ASSY (S) (R6750)	
51	X-2025-395-3	BUTTON ASSY (S) (R5715X/R5810)	
52	2-349-626-01	SPRING (RELEASE)	
53	2-187-131-02	FILTER (IR)	
54	2-187-126-03	PANEL, FRONT	
55	2-187-149-41	COVER (PRESET) (R6750)	
55	2-187-149-51	COVER (PRESET) (R5810)	
55	2-187-149-61	COVER (PRESET) (R5715X)	
56	3-250-543-41	SCREW (+B P-TITE M2)	
57	1-830-258-11	CABLE, FLEXIBLE FLAT (6 CORE)	
58	2-187-147-12	ARM (PRESET)	
59	2-187-153-11	SPRING (S)	
60	X-2025-392-2	DISPLAY (SV) ASSY (R6750)	
60	X-2025-396-2	DISPLAY (SV) ASSY (R5810)	
60	X-2025-418-2	DISPLAY (SV) ASSY (R5715X)	
61	2-187-153-01	SPRING (S)	
62	2-187-133-02	PLATE (SLOT), LIGHT GUIDE	
63	2-187-154-12	SPRING (M)	
64	2-187-132-02	BRACKET (DISPLAY)	

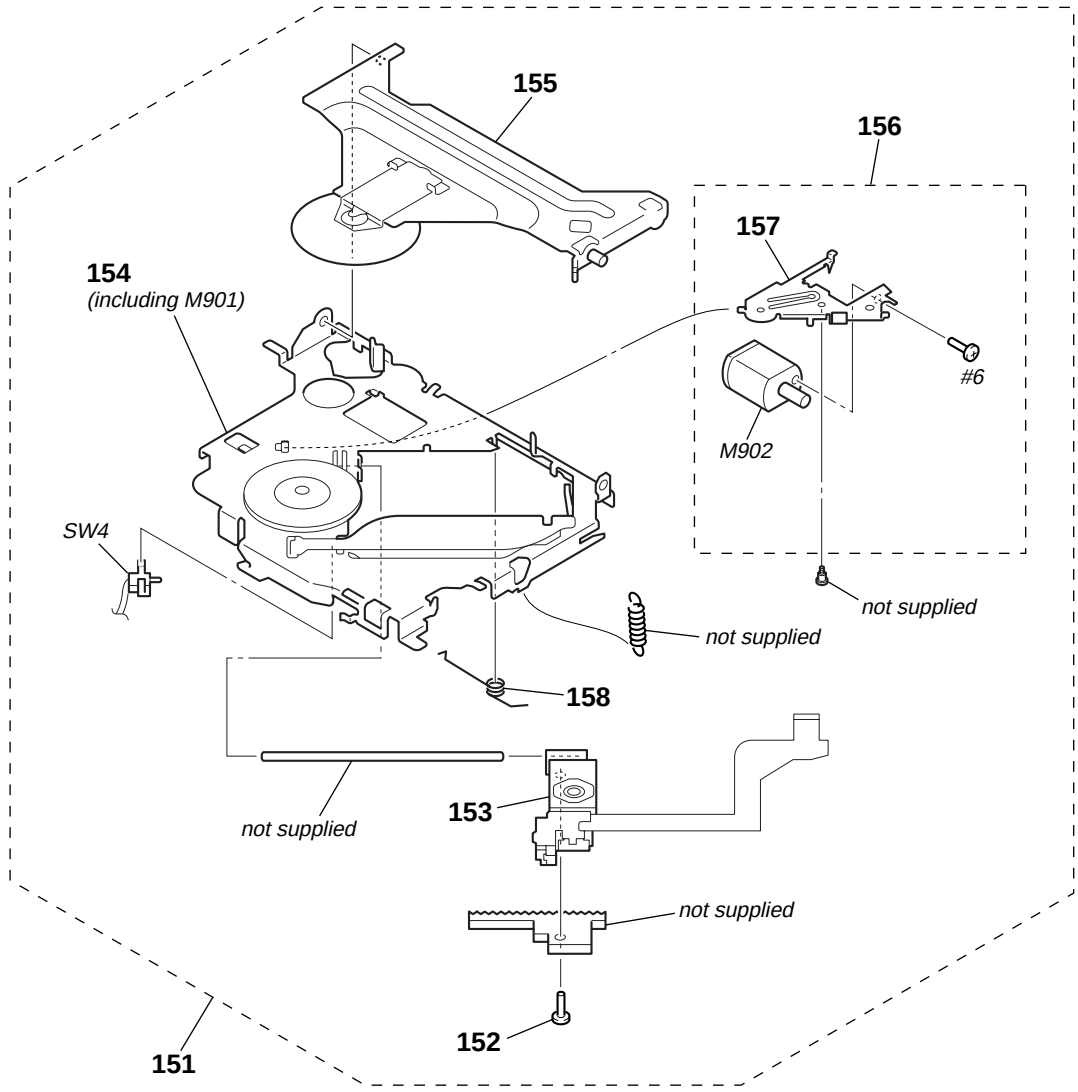
Ref. No.	Part No.	Description	Remark
65	2-187-154-02	SPRING (M)	
66	2-187-162-02	PANEL (FL), FRONT BACK	
67	2-187-183-01	SHEET (FL), ADHESIVE	
68	1-830-260-11	CABLE, FLEXIBLE FLAT (18 CORE)	
69	2-187-139-03	COVER (PWB)	
70	X-2050-189-4	CASE ASSY (for FRONT PANEL)	
71	A-1089-310-A	PANEL COMPLETE ASSY, FRONT (R6750)	
71	A-1089-338-A	PANEL COMPLETE ASSY, FRONT (R5810)	
71	A-1089-447-A	PANEL COMPLETE ASSY, FRONT (R5715X)	
72	2-590-212-01	CUSHION (BASE)	
73	3-250-543-31	SCREW (+B P-TITE M2)	
74	2-595-228-01	SPRING (GROUND)	
75	2-590-340-02	CUSHION (COVER)	
76	2-595-753-01	SHEET (CU)	
77	2-592-581-01	SPACER (ATT)	
78	2-345-852-01	CUSHION (PRESET)	
FL901	1-519-785-21	INDICATOR TUBE, FLUORESCENT	
#4	7-685-105-19	SCREW +P 2X8 TYPE2 NON-SLIT	

4-3. CD MECHANISM SECTION (1)
(MG-611TA-186//K)



Ref. No.	Part No.	Description	Remark
101	A-3372-455-A	CHASSIS (T) SUB ASSY	
102	3-253-729-01	SPRING (LTR), TENSION COIL	
103	3-253-746-14	SPRING (DAMPER), COMPRESSION	
104	3-253-746-03	SPRING (DAMPER), COMPRESSION	
105	2-345-767-01	SPRING (KF60), TENSION	
106	3-253-748-01	DAMPER (S)	
107	3-352-758-31	SCREW (M1.7X2.5), TOOTHED LOCK	
108	A-1075-784-A	SERVO BOARD, COMPLETE	
#5	7-627-552-87	SCREW, PRECISION +P 1.7X2.2	

4-4. CD MECHANISM SECTION (2)
(MG-611TA-186//K)

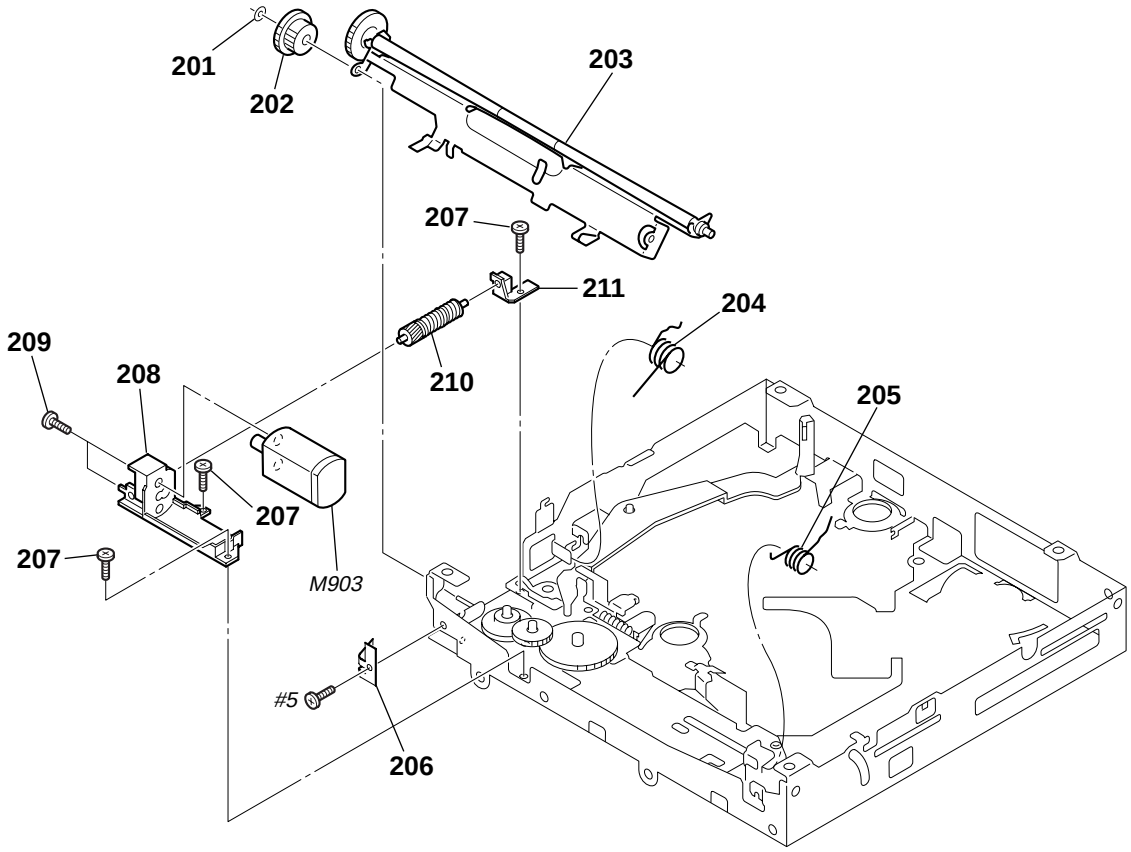


The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
151	A-1075-786-A	CHASSIS (OP) COMPLETE ASSY	
152	3-316-938-91	SCREW (B1.4X5), TAPPING	
⚠153	8-820-207-12	OPTICAL PICK-UP (KSS1000E/K1RP)	
154	A-1075-787-A	CHASSIS (OP) SUB ASSY (including M901)	
155	A-3337-641-A	ARM SUB ASSY, CHUCKING	
156	A-3337-639-A	LEVER (SL) SUB ASSY	

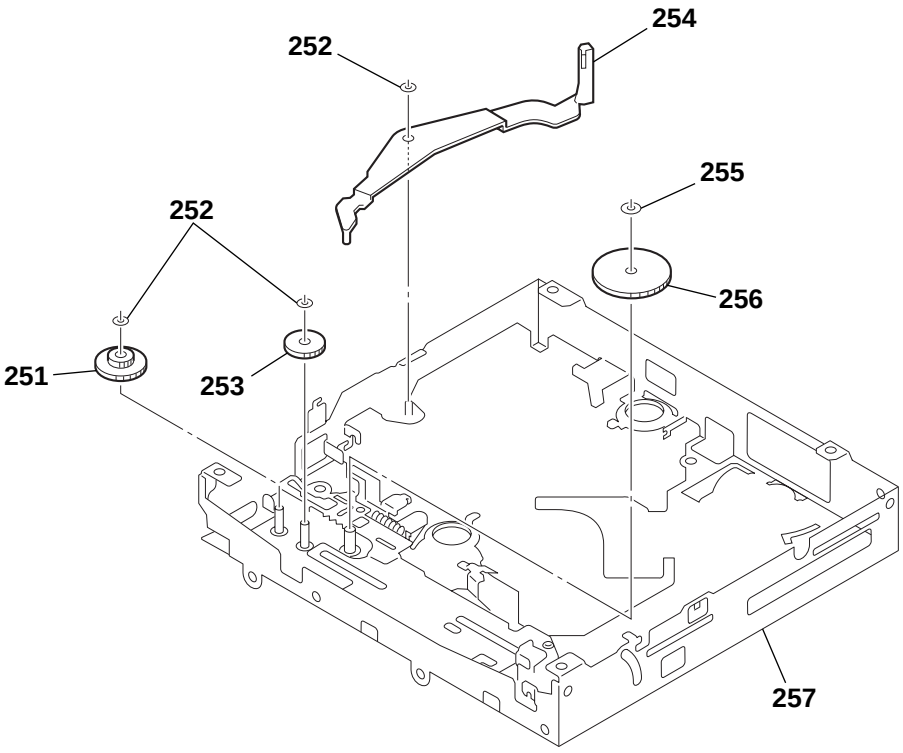
Ref. No.	Part No.	Description	Remark
157	X-3383-454-3	LEVER (SL) ASSY	
158	3-261-959-02	SPRING (SL), TORSION	
M902	A-3337-638-A	MOTOR ASSY, SL (SLED)	
SW4	1-571-099-11	SWITCH (1 KEY) (LIMIT)	
#6	7-627-850-77	SCREW, PRECISION +P 1.4X1.8	

4-5. CD MECHANISM SECTION (3)
(MG-611TA-186//K)



Ref. No.	Part No.	Description	Remark
201	3-262-755-01	WASHER (1.1-2.5)	
202	2-186-699-11	GEAR (RA1)	
203	A-1075-789-A	ARM ASSY, ROLLER	
204	3-259-455-02	SPRING (RAL)	
205	3-253-713-01	SPRING (RAR)	
206	3-259-469-01	SPRING (LE), LEAF	
207	2-134-636-31	SCREW (M1.7X2.5)	
208	2-186-696-11	BRACKET (LEM-N)	
209	3-345-648-91	SCREW (M1.4), TOOTHED LOCK	
210	A-1083-637-A	GEAR (LE) ASSY	
211	2-186-697-11	BEARING (LEB-N)	
M903	A-1075-792-A	MOTOR ASSY, LE (LOADING)	
#5	7-627-552-87	SCREW, PRECISION +P 1.7X2.2	

4-6. CD MECHANISM SECTION (4)
(MG-611TA-186//K)



Ref. No.	Part No.	Description	Remark
251	2-186-700-11	GEAR (CHK1)	
252	3-344-223-01	WASHER	
253	3-259-470-01	GEAR (LE1)	
254	3-253-755-02	LEVER (D)	
255	3-899-829-01	WASHER (SLIT)	
256	2-590-545-11	GEAR (LE2-M)	
257	A-1075-791-A	CHASSIS (M) BLOCK ASSY	

DISPLAY

SECTION 5
ELECTRICAL PARTS LIST

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL:Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F:nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u : µ, for example:
  uA.. : µA.. uPA..: µPA..
  uPB.. : µPB.. uPC..: µPC.. uPD.. : µPD..
- CAPACITORS
  uF : µF
- COILS
  uH : µH

When indicating parts by reference number, please include the board.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

Ref. No.	Part No.	Description			Remark
		DISPLAY BOARD			
		**********			
	1-830-260-11	CABLE, FLEXIBLE FLAT (18 CORE)			
	2-187-183-01	SHEET (FL), ADHESIVE			
		< CAPACITOR >			
C984	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C985	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C987	1-162-995-11	CERAMIC CHIP	0.022uF		50V
C988	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C989	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C992	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
		< CONNECTOR >			
CN904	1-815-808-21	CONNECTOR, FFC/FPC (ZIF) 18P			
		< DIODE >			
D982	8-719-978-33	DIODE DTZ-TT11-6.8B			
D984	8-719-060-48	DIODE RB751V-40TE-17			
		< FLUORESCENT INDICATOR >			
FL901	1-519-785-21	INDICATOR TUBE, FLUORESCENT			
		< IC >			
IC971	6-705-374-01	IC MM3033DULE			
		< DIODE >			
LED961	6-500-895-01	LED CL-270UB2-X-TS (CD SLOT) (R5715X)			
LED961	8-719-082-38	LED CL-270SR-C-TS (CD SLOT) (R5810/R6750)			
		< SWITCH >			
LSW901	1-786-805-11	SWITCH, TACTILE (WITH LED) (⏏) (R5810/R6750)			
LSW901	1-786-807-11	SWITCH, TACTILE (WITH LED) (⏏) (R5715X)			
LSW918	1-786-805-11	SWITCH, TACTILE (WITH LED) (DSO) (R5810/R6750)			
LSW918	1-786-807-11	SWITCH, TACTILE (WITH LED) (DSO) (R5715X)			
LSW919	1-786-805-11	SWITCH, TACTILE (WITH LED) (EQ7) (R5810/R6750)			
LSW919	1-786-807-11	SWITCH, TACTILE (WITH LED) (EQ7) (R5715X)			
LSW920	1-786-805-11	SWITCH, TACTILE (WITH LED) (SOUND) (R5810/R6750)			
LSW920	1-786-807-11	SWITCH, TACTILE (WITH LED) (SOUND) (R5715X)			
LSW921	1-786-805-11	SWITCH, TACTILE (WITH LED) (SCRL) (R5810/R6750)			
LSW921	1-786-807-11	SWITCH, TACTILE (WITH LED) (SCRL) (R5715X)			
		< RESISTOR >			
R917	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R918	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R919	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R920	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R953	1-216-809-11	METAL CHIP	100	5%	1/10W (R5715X)
R953	1-216-810-11	METAL CHIP	120	5%	1/10W (R5810/R6750)
R954	1-216-809-11	METAL CHIP	100	5%	1/10W
R955	1-216-809-11	METAL CHIP	100	5%	1/10W
R956	1-216-809-11	METAL CHIP	100	5%	1/10W (R5715X)
R956	1-216-810-11	METAL CHIP	120	5%	1/10W (R5810/R6750)
R957	1-216-809-11	METAL CHIP	100	5%	1/10W
R958	1-216-809-11	METAL CHIP	100	5%	1/10W
R959	1-216-811-11	METAL CHIP	150	5%	1/10W (R5810/R6750)
R959	1-216-813-11	METAL CHIP	220	5%	1/10W (R5715X)
R960	1-216-809-11	METAL CHIP	100	5%	1/10W (R5810/R6750)
R960	1-216-813-11	METAL CHIP	220	5%	1/10W (R5715X)
R961	1-216-809-11	METAL CHIP	100	5%	1/10W (R5810/R6750)
R961	1-216-813-11	METAL CHIP	220	5%	1/10W (R5715X)
R962	1-216-809-11	METAL CHIP	100	5%	1/10W (R5810/R6750)
R962	1-216-813-11	METAL CHIP	220	5%	1/10W (R5715X)
R963	1-216-811-11	METAL CHIP	150	5%	1/10W (R5810/R6750)
R963	1-216-813-11	METAL CHIP	220	5%	1/10W (R5715X)
R964	1-216-809-11	METAL CHIP	100	5%	1/10W (R5810/R6750)
R964	1-216-813-11	METAL CHIP	220	5%	1/10W (R5715X)

Ref. No.	Part No.	Description			Remark
R965	1-216-809-11	METAL CHIP	100	5%	1/10W (R5810/R6750)
R965	1-216-813-11	METAL CHIP	220	5%	1/10W (R5715X)
R966	1-216-809-11	METAL CHIP	100	5%	1/10W (R5810/R6750)
R966	1-216-813-11	METAL CHIP	220	5%	1/10W (R5715X)
R970	1-216-295-91	SHORT CHIP	0		
R971	1-216-295-91	SHORT CHIP	0		
R972	1-216-295-91	SHORT CHIP	0		
R973	1-216-295-91	SHORT CHIP	0		
R987	1-216-815-11	METAL CHIP	330	5%	1/10W
R988	1-216-815-11	METAL CHIP	330	5%	1/10W
R989	1-216-864-11	SHORT CHIP	0		
R991	1-216-801-11	METAL CHIP	22	5%	1/10W
R992	1-216-801-11	METAL CHIP	22	5%	1/10W
R993	1-216-841-11	METAL CHIP	47K	5%	1/10W
R995	1-216-833-11	METAL CHIP	10K	5%	1/10W
R998	1-216-841-11	METAL CHIP	47K	5%	1/10W
R999	1-216-845-11	METAL CHIP	100K	5%	1/10W (R5715X)
R999	1-218-893-11	METAL CHIP	82K	0.5%	1/10W (R5810/R6750)

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KEY BOARD

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< CAPACITOR >

C974	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V

< CONNECTOR >

CN901	1-817-332-11	PLUG, CONNECTOR 15P
CN902	1-815-733-21	CONNECTOR, FFC/FPC (ZIF) 18P
CN903	1-785-616-11	CONNECTOR, FPC (0.5mm PITCH) 6P

< DIODE >

D902	8-719-083-66	DIODE UDZSTE-1718B
D903	8-719-978-33	DIODE DTZ-TT11-6.8B
D904	8-719-978-33	DIODE DTZ-TT11-6.8B
D906	6-500-886-01	DIODE RSA6.1ENTR
D962	8-719-060-48	DIODE RB751V-40TE-17
D963	8-719-083-66	DIODE UDZSTE-1718B
D981	8-719-069-54	DIODE UDZSTE-175.1B

< IC >

IC972	6-600-163-01	IC RS-770 (IR)

< JUMPER RESISTOR >

JP901	1-216-864-11	SHORT CHIP	0		

< DIODE >

LED902	6-500-204-01	LED CL-190UB2-X-T (OFF) (R5715X)
LED902	6-500-450-01	LED CL-195SR-CD-T (OFF) (R5810/R6750)
LED914	6-500-204-01	LED CL-190UB2-X-T (ATT) (R5715X)
LED914	6-500-450-01	LED CL-195SR-CD-T (ATT) (R5810/R6750)
LED915	6-500-204-01	LED CL-190UB2-X-T (VOL +) (R5715X)
LED915	6-500-450-01	LED CL-195SR-CD-T (VOL +) (R5810/R6750)
LED916	6-500-204-01	LED CL-190UB2-X-T (VOL –) (R5715X)
LED916	6-500-450-01	LED CL-195SR-CD-T (VOL –) (R5810/R6750)
LED917	6-500-204-01	LED CL-190UB2-X-T (SEEK +/▶▶I ▶▶) (R5715X)
LED917	6-500-450-01	LED CL-195SR-CD-T (SEEK +/▶▶I ▶▶) (R5810/R6750)
LED918	6-500-204-01	LED CL-190UB2-X-T (SEEK –/◀◀ I◀◀) (R5715X)
LED918	6-500-450-01	LED CL-195SR-CD-T (SEEK –/◀◀ I◀◀) (R5810/R6750)

< RESISTOR >

R901	1-216-819-11	METAL CHIP	680	5%	1/10W
R902	1-216-819-11	METAL CHIP	680	5%	1/10W
R913	1-216-819-11	METAL CHIP	680	5%	1/10W
R914	1-216-819-11	METAL CHIP	680	5%	1/10W
R915	1-216-819-11	METAL CHIP	680	5%	1/10W
R916	1-216-821-11	METAL CHIP	1K	5%	1/10W
R944	1-216-809-11	METAL CHIP	100	5%	1/10W (R5715X)
R944	1-216-810-11	METAL CHIP	120	5%	1/10W (R5810/R6750)
R945	1-216-809-11	METAL CHIP	100	5%	1/10W
R946	1-216-809-11	METAL CHIP	100	5%	1/10W
R947	1-216-809-11	METAL CHIP	100	5%	1/10W (R5715X)
R947	1-216-810-11	METAL CHIP	120	5%	1/10W (R5810/R6750)
R948	1-216-809-11	METAL CHIP	100	5%	1/10W
R949	1-216-809-11	METAL CHIP	100	5%	1/10W
R950	1-216-809-11	METAL CHIP	100	5%	1/10W (R5715X)
R950	1-216-810-11	METAL CHIP	120	5%	1/10W (R5810/R6750)
R951	1-216-809-11	METAL CHIP	100	5%	1/10W
R952	1-216-809-11	METAL CHIP	100	5%	1/10W
R980	1-216-809-11	METAL CHIP	100	5%	1/10W
R981	1-216-809-11	METAL CHIP	100	5%	1/10W
R982	1-216-815-11	METAL CHIP	330	5%	1/10W
R983	1-216-815-11	METAL CHIP	330	5%	1/10W
R984	1-216-864-11	SHORT CHIP	0		
R986	1-216-809-11	METAL CHIP	100	5%	1/10W

< SWITCH >

S902	1-786-653-11	SWITCH, TACTILE (OFF)
S914	1-786-653-11	SWITCH, TACTILE (ATT)
S915	1-786-653-11	SWITCH, TACTILE (VOL +)
S916	1-786-653-11	SWITCH, TACTILE (VOL –)
S917	1-786-653-11	SWITCH, TACTILE (SEEK +/▶▶I ▶▶)
S918	1-786-653-11	SWITCH, TACTILE (SEEK –/◀◀ I◀◀)
S961	1-529-566-61	SWITCH, PUSH (1 KEY) (DOOR OPEN)

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MAIN

Ref. No.	Part No.	Description			Remark
	A-1089-307-A	MAIN BOARD, COMPLETE (R6750)			
	A-1089-335-A	MAIN BOARD, COMPLETE (R5810)			
	A-1089-444-A	MAIN BOARD, COMPLETE (R5715X)			
		**********			
	7-621-284-40	SCREW +P 2.6X10			
	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT			
	7-685-793-09	SCREW +PTT 2.6X8 (S)			
	7-685-795-09	SCREW +PTT 2.6X12 (S)			
		< CAPACITOR >			
C1	1-126-963-11	ELECT	4.7uF	20%	50V (R6750)
C2	1-126-947-11	ELECT	47uF	20%	35V
C3	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5	1-126-947-11	ELECT	47uF	20%	35V
C6	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C7	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C8	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C50	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (R6750)
C51	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (R6750)
C52	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (R6750)
C53	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (R6750)
C54	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (R6750)
C55	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (R6750)
C56	1-164-237-11	CERAMIC CHIP	16PF	5%	50V (R6750)
C57	1-164-237-11	CERAMIC CHIP	16PF	5%	50V (R6750)
C58	1-162-959-11	CERAMIC CHIP	330PF	5%	50V (R6750)
C60	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (R6750)
C61	1-126-947-11	ELECT	47uF	20%	35V (R6750)
C66	1-216-864-11	SHORT CHIP	0 (R6750)		
C67	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V (R6750)
C191	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C192	1-135-834-91	CERAMIC CHIP	2.2uF		6.3V
C193	1-135-834-91	CERAMIC CHIP	2.2uF		6.3V
C301	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C302	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C303	1-128-551-11	ELECT	22uF	20%	63V (R5810)
C303	1-124-695-85	ELECT	22uF	20%	25V (R5715X/R6750)
C304	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C305	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C306	1-126-964-11	ELECT	10uF	20%	50V
C307	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C308	1-126-964-11	ELECT	10uF	20%	50V
C309	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C310	1-126-964-11	ELECT	10uF	20%	50V
C312	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C313	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C314	1-126-964-11	ELECT	10uF	20%	50V
C315	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C316	1-126-964-11	ELECT	10uF	20%	50V
C317	1-126-961-11	ELECT	2.2uF	20%	50V
C318	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C319	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C320	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C325	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C329	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C330	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C351	1-104-665-11	ELECT	100uF	20%	25V (R5810)
C351	1-124-673-85	ELECT	100uF	20%	10V (R5715X/R6750)
C352	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C353	1-124-721-85	ELECT	10uF	20%	50V (R5715X/R6750)
C353	1-126-964-11	ELECT	10uF	20%	50V (R5810)
C354	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C355	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C356	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C357	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
C358	1-136-154-00	FILM	0.012uF	5%	50V
C359	1-136-154-00	FILM	0.012uF	5%	50V
C360	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
C361	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C362	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C363	1-124-717-85	ELECT	1uF	20%	50V (R5715X/R6750)
C363	1-126-960-11	ELECT	1uF	20%	50V (R5810)
C364	1-124-717-85	ELECT	1uF	20%	50V (R5715X/R6750)
C364	1-126-960-11	ELECT	1uF	20%	50V (R5810)
C365	1-126-960-11	ELECT	1uF	20%	50V
C366	1-126-960-11	ELECT	1uF	20%	50V
C367	1-126-960-11	ELECT	1uF	20%	50V
C368	1-163-009-91	CERAMIC CHIP	0.001uF	10%	50V
C369	1-163-009-91	CERAMIC CHIP	0.001uF	10%	50V
C371	1-124-721-85	ELECT	10uF	20%	50V (R5715X/R6750)
C371	1-126-964-11	ELECT	10uF	20%	50V (R5810)
C401	1-128-551-11	ELECT	22uF	20%	63V
C402	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C403	1-104-665-11	ELECT	100uF	20%	25V (R5810)
C403	1-124-673-85	ELECT	100uF	20%	10V (R5715X/R6750)
C405	1-128-551-11	ELECT	22uF	20%	63V
C409	1-126-964-11	ELECT	10uF	20%	50V
C412	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C413	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C414	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C415	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C416	1-130-475-00	MYLAR	0.0022uF	5%	50V (R5715X/R6750)

Ref. No.	Part No.	Description			Remark
C417	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C418	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V (R5810)
C419	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V (R5810)
C420	1-130-475-00	MYLAR	0.0022uF	5%	50V (R5715X/R6750)
C421	1-124-721-85	ELECT	10uF	20%	50V (R5715X/R6750)
C421	1-126-964-11	ELECT	10uF	20%	50V (R5810)
C422	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C423	1-137-194-91	FILM	0.47uF	5%	50V
C424	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C425	1-100-385-91	CERAMIC CHIP	0.47uF		25V
C431	1-124-721-85	ELECT	10uF	20%	50V (R5715X/R6750)
C431	1-126-964-11	ELECT	10uF	20%	50V (R5810)
C432	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C433	1-137-194-91	FILM	0.47uF	5%	50V
C434	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C441	1-124-721-85	ELECT	10uF	20%	50V (R5715X/R6750)
C441	1-126-964-11	ELECT	10uF	20%	50V (R5810)
C442	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C443	1-137-194-91	FILM	0.47uF	5%	50V
C444	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C451	1-124-721-85	ELECT	10uF	20%	50V (R5715X/R6750)
C451	1-126-964-11	ELECT	10uF	20%	50V (R5810)
C452	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C453	1-137-194-91	FILM	0.47uF	5%	50V
C454	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C491	1-126-947-11	ELECT	47uF	20%	35V
C494	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C501	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C502	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C504	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C507	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C508	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C510	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C511	1-126-964-11	ELECT	10uF	20%	50V
C512	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C513	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C514	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C519	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C530	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C600	1-126-935-11	ELECT	470uF	20%	16V
C601	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C619	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C620	1-104-665-11	ELECT	100uF	20%	25V
C621	1-128-552-11	ELECT	47uF	20%	63V
C622	1-126-924-11	ELECT	330uF	20%	10V
C623	1-126-916-11	ELECT	1000uF	20%	6.3V
C624	1-126-960-11	ELECT	1uF	20%	50V
C626	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C627	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C628	1-126-964-11	ELECT	10uF	20%	50V
C629	1-126-933-11	ELECT	100uF	20%	16V
C630	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C631	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C633	1-126-933-11	ELECT	100uF	20%	16V
C634	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C635	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C637	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C640	1-135-834-91	CERAMIC CHIP	2.2uF		6.3V
C681	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C682	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C683	1-104-665-11	ELECT	100uF	20%	25V
C701	1-112-302-11	ELECT	3300uF	20%	16V (R5715X/R6750)
C701	1-131-868-81	ELECT	3300uF	20%	16V (R5810)
C702	1-126-961-11	ELECT	2.2uF	20%	50V
C703	1-126-963-11	ELECT	4.7uF	20%	50V
C704	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C705	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C901	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C902	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C903	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C904	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C905	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C906	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C907	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C910	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V

< CONNECTOR >

CN300	1-774-701-21	PIN, CONNECTOR 16P
CN350	1-817-536-11	CONNECTOR, BOARD TO BOARD 28P
CN370	1-817-333-11	SOCKET, CONNECTOR 15P
CN410	1-564-506-11	PLUG, CONNECTOR 3P
CNJ400	1-580-907-41	PLUG, CONNECTOR (BUS CONTROL IN)

< DIODE >

D2	8-719-069-55	DIODE UDZSTE-175.6B
D101	6-500-886-01	DIODE RSA6.1ENTR
D102	6-500-886-01	DIODE RSA6.1ENTR
D103	8-719-978-33	DIODE DTZ-TT11-6.8B
D106	8-719-083-66	DIODE UDZSTE-1718B
D301	6-500-522-01	DIODE 10EDB40-TA1B2
D302	6-500-522-01	DIODE 10EDB40-TA1B2
D303	6-500-522-01	DIODE 10EDB40-TA1B2
D304	6-500-522-01	DIODE 10EDB40-TA1B2
D305	6-500-522-01	DIODE 10EDB40-TA1B2
D306	6-500-522-01	DIODE 10EDB40-TA1B2
D307	6-500-522-01	DIODE 10EDB40-TA1B2
D308	6-500-522-01	DIODE 10EDB40-TA1B2
D309	6-500-522-01	DIODE 10EDB40-TA1B2
D310	6-500-522-01	DIODE 10EDB40-TA1B2
D311	6-500-522-01	DIODE 10EDB40-TA1B2
D312	6-500-522-01	DIODE 10EDB40-TA1B2
D352	8-719-978-33	DIODE DTZ-TT11-6.8B
D353	6-501-013-01	DIODE BAT54ALT1G
D491	8-719-988-61	DIODE 1SS355TE-17
D493	6-501-051-01	DIODE BAT54CLT1G

MAIN

Ref. No.	Part No.	Description	Remark
D501	8-719-000-07	DIODE MC2836	
D502	8-719-060-48	DIODE RB751V-40TE-17	
D601	8-719-069-54	DIODE UDZSTE-175.1B	
D602	8-719-083-66	DIODE UDZSTE-1718B	
D603	8-719-069-56	DIODE UDZSTE-176.2B	
D604	8-719-083-66	DIODE UDZSTE-1718B	
D605	8-719-083-66	DIODE UDZSTE-1718B	
D606	8-719-072-70	DIODE MA2ZD14001S0	
D607	8-719-049-38	DIODE 1N5404TU	
D609	6-501-051-01	DIODE BAT54CLT1G	
D610	8-719-083-66	DIODE UDZSTE-1718B	
D620	6-500-294-01	DIODE PTZ-TE25-3.9B	
D622	6-501-089-01	DIODE RF101L2STE25	
D624	8-719-067-83	DIODE RB161L-40TE25	
D701	8-719-083-66	DIODE UDZSTE-1718B	
D702	8-719-083-66	DIODE UDZSTE-1718B	
D703	8-719-978-33	DIODE DTZ-TT11-6.8B	
D704	8-719-083-66	DIODE UDZSTE-1718B	
D705	8-719-988-61	DIODE 1SS355TE-17	
D706	8-719-083-66	DIODE UDZSTE-1718B	
D707	8-719-083-66	DIODE UDZSTE-1718B	
D901	8-719-083-66	DIODE UDZSTE-1718B	
		< IC >	
IC50	6-803-747-01	IC TDA7333013TR (R6750)	
IC300	6-705-359-02	IC TDA8588AJ/N2/R1	
IC351	6-703-303-01	IC TDA7416	
IC501	6-804-914-03	IC MB90488BPF-G-129-BNDE1	
IC601	6-703-884-01	IC BA8271F-E2	
IC602	8-759-659-13	IC PST3428UL	
IC620	6-705-542-01	IC NJM2377M(TE2)	
IC681	6-705-373-01	IC MM3123DPLE	
		< JACK >	
J1	1-815-185-13	JACK (ANTENNA)	
J370	1-566-822-41	JACK (REMOTE IN)	
J652	1-774-700-11	JACK, PIN 6P (BUS AUDIO IN/AUX IN, AUDIO OUT REAR/FRONT)	
		< COIL >	
L2	1-414-595-11	INDUCTOR, FERRITE BEAD (R6750)	
L3	1-414-595-11	INDUCTOR, FERRITE BEAD (R6750)	
L4	1-216-864-11	SHORT CHIP 0	
L50	1-216-864-11	SHORT CHIP 0 (R6750)	
L300	1-456-617-11	COIL, CHOKE	
L361	1-414-595-11	INDUCTOR, FERRITE BEAD	
L401	1-469-876-11	INDUCTOR, FERRITE BEAD	
L402	1-500-245-11	INDUCTOR, FERRITE BEAD	
L403	1-500-245-11	INDUCTOR, FERRITE BEAD	
L405	1-469-876-11	INDUCTOR, FERRITE BEAD	
L406	1-500-245-11	INDUCTOR, FERRITE BEAD	
L407	1-469-876-11	INDUCTOR, FERRITE BEAD	
L408	1-216-864-11	SHORT CHIP 0	
L409	1-216-295-91	SHORT CHIP 0	
L410	1-469-876-11	INDUCTOR, FERRITE BEAD	
L501	1-216-864-11	SHORT CHIP 0	
L620	1-457-073-11	COIL, CHOKE 47uH	
L901	1-216-295-91	SHORT CHIP 0	

Ref. No.	Part No.	Description	Remark
L902	1-469-844-11	INDUCTOR 2.2uH	
		< TRANSISTOR >	
Q1	1-801-806-11	TRANSISTOR DTC144EKA (R6750)	
Q3	8-729-106-68	TRANSISTOR 2SD1615A-GP	
Q50	8-729-600-22	TRANSISTOR 2SA1235-F (R6750)	
Q351	6-550-683-01	FET RJK005N03-T146	
Q352	6-550-752-01	TRANSISTOR DTC614TKT146	
Q420	6-550-752-01	TRANSISTOR DTC614TKT146	
Q432	6-550-752-01	TRANSISTOR DTC614TKT146	
Q440	6-550-752-01	TRANSISTOR DTC614TKT146	
Q452	6-550-752-01	TRANSISTOR DTC614TKT146	
Q491	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q492	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q600	8-729-047-76	TRANSISTOR FMC2A-T148	
Q601	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q605	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q620	6-551-131-01	FET 2SK3614-TD-E	
Q621	8-729-600-22	TRANSISTOR 2SA1235-F	
Q622	8-729-600-22	TRANSISTOR 2SA1235-F	
Q624	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q625	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q626	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q627	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q664	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q701	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q702	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q703	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
		< RESISTOR >	
R1	1-216-809-11	METAL CHIP 100 5%	1/10W (R6750)
R2	1-216-839-11	METAL CHIP 33K 5%	1/10W (R6750)
R3	1-216-843-11	METAL CHIP 68K 5%	1/10W
R4	1-216-839-11	METAL CHIP 33K 5%	1/10W
R5	1-216-843-11	METAL CHIP 68K 5%	1/10W
R6	1-216-809-11	METAL CHIP 100 5%	1/10W
R7	1-216-809-11	METAL CHIP 100 5%	1/10W
R8	1-216-839-11	METAL CHIP 33K 5%	1/10W (R6750)
R9	1-216-843-11	METAL CHIP 68K 5%	1/10W (R6750)
R10	1-216-821-11	METAL CHIP 1K 5%	1/10W
R11	1-216-864-11	SHORT CHIP 0 (R6750)	
R12	1-216-864-11	SHORT CHIP 0	
R13	1-216-864-11	SHORT CHIP 0	
R14	1-216-864-11	SHORT CHIP 0 (R6750)	
R15	1-216-864-11	SHORT CHIP 0 (R6750)	
R52	1-216-845-11	METAL CHIP 100K 5%	1/10W (R6750)
R53	1-216-797-11	METAL CHIP 10 5%	1/10W (R6750)
R54	1-216-801-11	METAL CHIP 22 5%	1/10W (R6750)
R55	1-216-797-11	METAL CHIP 10 5%	1/10W (R6750)
R57	1-216-833-11	METAL CHIP 10K 5%	1/10W (R6750)

Ref. No.	Part No.	Description			Remark
R58	1-216-821-11	METAL CHIP	1K	5%	1/10W (R6750)
R101	1-216-809-11	METAL CHIP	100	5%	1/10W
R102	1-216-809-11	METAL CHIP	100	5%	1/10W
R103	1-216-809-11	METAL CHIP	100	5%	1/10W
R191	1-216-864-11	SHORT CHIP	0		
R301	1-216-809-11	METAL CHIP	100	5%	1/10W
R302	1-216-841-11	METAL CHIP	47K	5%	1/10W
R351	1-216-845-11	METAL CHIP	100K	5%	1/10W
R352	1-216-833-11	METAL CHIP	10K	5%	1/10W
R353	1-216-833-11	METAL CHIP	10K	5%	1/10W
R354	1-216-833-11	METAL CHIP	10K	5%	1/10W
R355	1-216-833-11	METAL CHIP	10K	5%	1/10W
R356	1-216-833-11	METAL CHIP	10K	5%	1/10W
R357	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R358	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R359	1-216-864-11	SHORT CHIP	0		
R360	1-216-809-11	METAL CHIP	100	5%	1/10W
R361	1-216-809-11	METAL CHIP	100	5%	1/10W
R362	1-216-809-11	METAL CHIP	100	5%	1/10W
R363	1-216-833-11	METAL CHIP	10K	5%	1/10W
R364	1-216-809-11	METAL CHIP	100	5%	1/10W
R365	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R366	1-216-809-11	METAL CHIP	100	5%	1/10W
R370	1-216-809-11	METAL CHIP	100	5%	1/10W
R371	1-216-809-11	METAL CHIP	100	5%	1/10W
R372	1-216-864-11	SHORT CHIP	0		
R401	1-216-819-11	METAL CHIP	680	5%	1/10W
R402	1-216-819-11	METAL CHIP	680	5%	1/10W
R421	1-216-809-11	METAL CHIP	100	5%	1/10W
R423	1-216-864-11	SHORT CHIP	0		
R425	1-216-833-11	METAL CHIP	10K	5%	1/10W
R431	1-216-809-11	METAL CHIP	100	5%	1/10W
R433	1-216-864-11	SHORT CHIP	0		
R441	1-216-809-11	METAL CHIP	100	5%	1/10W
R442	1-216-809-11	METAL CHIP	100	5%	1/10W
R443	1-216-864-11	SHORT CHIP	0		
R444	1-216-809-11	METAL CHIP	100	5%	1/10W
R445	1-216-809-11	METAL CHIP	100	5%	1/10W
R446	1-216-809-11	METAL CHIP	100	5%	1/10W
R447	1-216-841-11	METAL CHIP	47K	5%	1/10W
R448	1-216-841-11	METAL CHIP	47K	5%	1/10W
R449	1-216-841-11	METAL CHIP	47K	5%	1/10W
R450	1-216-841-11	METAL CHIP	47K	5%	1/10W
R451	1-216-809-11	METAL CHIP	100	5%	1/10W
R452	1-216-841-11	METAL CHIP	47K	5%	1/10W
R453	1-216-864-11	SHORT CHIP	0		
R491	1-216-805-11	METAL CHIP	47	5%	1/10W
R501	1-216-821-11	METAL CHIP	1K	5%	1/10W
R502	1-216-809-11	METAL CHIP	100	5%	1/10W
R503	1-216-809-11	METAL CHIP	100	5%	1/10W
R504	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R505	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R507	1-216-845-11	METAL CHIP	100K	5%	1/10W (R5715X/R5810)
R509	1-216-809-11	METAL CHIP	100	5%	1/10W
R510	1-216-864-11	SHORT CHIP	0		
R511	1-216-809-11	METAL CHIP	100	5%	1/10W
R512	1-216-809-11	METAL CHIP	100	5%	1/10W
R513	1-216-841-11	METAL CHIP	47K	5%	1/10W
R517	1-216-841-11	METAL CHIP	47K	5%	1/10W
R519	1-216-845-11	METAL CHIP	100K	5%	1/10W
R521	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R522	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R529	1-216-809-11	METAL CHIP	100	5%	1/10W
R531	1-216-841-11	METAL CHIP	47K	5%	1/10W
R532	1-216-845-11	METAL CHIP	100K	5%	1/10W
R533	1-216-845-11	METAL CHIP	100K	5%	1/10W
R534	1-216-833-11	METAL CHIP	10K	5%	1/10W
R536	1-216-845-11	METAL CHIP	100K	5%	1/10W
R537	1-216-845-11	METAL CHIP	100K	5%	1/10W (R5810/R6750)
R538	1-216-845-11	METAL CHIP	100K	5%	1/10W (R5715X)
R539	1-216-845-11	METAL CHIP	100K	5%	1/10W
R544	1-216-809-11	METAL CHIP	100	5%	1/10W
R545	1-216-845-11	METAL CHIP	100K	5%	1/10W (R5810)
R546	1-216-845-11	METAL CHIP	100K	5%	1/10W (R5810)
R551	1-216-845-11	METAL CHIP	100K	5%	1/10W (R5715X/R6750)
R552	1-216-845-11	METAL CHIP	100K	5%	1/10W
R553	1-216-845-11	METAL CHIP	100K	5%	1/10W
R556	1-216-845-11	METAL CHIP	100K	5%	1/10W
R557	1-216-809-11	METAL CHIP	100	5%	1/10W
R558	1-216-845-11	METAL CHIP	100K	5%	1/10W
R559	1-216-845-11	METAL CHIP	100K	5%	1/10W (R5715X)
R560	1-216-845-11	METAL CHIP	100K	5%	1/10W (R5810/R6750)
R561	1-216-845-11	METAL CHIP	100K	5%	1/10W
R562	1-216-845-11	METAL CHIP	100K	5%	1/10W (R5810/R6750)
R563	1-216-845-11	METAL CHIP	100K	5%	1/10W
R564	1-216-845-11	METAL CHIP	100K	5%	1/10W
R565	1-216-845-11	METAL CHIP	100K	5%	1/10W
R567	1-216-845-11	METAL CHIP	100K	5%	1/10W
R568	1-216-841-11	METAL CHIP	47K	5%	1/10W
R569	1-216-809-11	METAL CHIP	100	5%	1/10W
R570	1-216-809-11	METAL CHIP	100	5%	1/10W
R571	1-216-845-11	METAL CHIP	100K	5%	1/10W
R573	1-216-845-11	METAL CHIP	100K	5%	1/10W (R6750)
R592	1-216-845-11	METAL CHIP	100K	5%	1/10W
R594	1-216-845-11	METAL CHIP	100K	5%	1/10W
R600	1-216-845-11	METAL CHIP	100K	5%	1/10W
R601	1-216-849-11	METAL CHIP	220K	5%	1/10W
R602	1-216-849-11	METAL CHIP	220K	5%	1/10W
R603	1-216-821-11	METAL CHIP	1K	5%	1/10W
R604	1-216-835-11	METAL CHIP	15K	5%	1/10W
R606	1-216-821-11	METAL CHIP	1K	5%	1/10W
R607	1-216-821-11	METAL CHIP	1K	5%	1/10W
R608	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R610	1-216-809-11	METAL CHIP	100	5%	1/10W
R611	1-216-809-11	METAL CHIP	100	5%	1/10W
R619	1-216-841-11	METAL CHIP	47K	5%	1/10W

MAIN **PRESET**

Ref. No.	Part No.	Description			Remark
R620	1-216-841-11	METAL CHIP	47K	5%	1/10W
R621	1-216-841-11	METAL CHIP	47K	5%	1/10W
R622	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R623	1-218-893-11	METAL CHIP	82K	0.5%	1/10W
R624	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R625	1-216-845-11	METAL CHIP	100K	5%	1/10W
R626	1-216-841-11	METAL CHIP	47K	5%	1/10W
R628	1-216-821-11	METAL CHIP	1K	5%	1/10W
R629	1-216-809-11	METAL CHIP	100	5%	1/10W
R630	1-216-841-11	METAL CHIP	47K	5%	1/10W
R631	1-216-833-11	METAL CHIP	10K	5%	1/10W
R632	1-216-833-11	METAL CHIP	10K	5%	1/10W
R634	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R635	1-216-833-11	METAL CHIP	10K	5%	1/10W
R636	1-216-845-11	METAL CHIP	100K	5%	1/10W
R637	1-216-296-11	SHORT CHIP	0		
R639	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R640	1-216-839-11	METAL CHIP	33K	5%	1/10W
R641	1-216-837-11	METAL CHIP	22K	5%	1/10W
R642	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R643	1-216-845-11	METAL CHIP	100K	5%	1/10W
R644	1-216-805-11	METAL CHIP	47	5%	1/10W
R645	1-216-864-11	SHORT CHIP	0		
R648	1-216-809-11	METAL CHIP	100	5%	1/10W
R671	1-216-809-11	METAL CHIP	100	5%	1/10W
R672	1-216-809-11	METAL CHIP	100	5%	1/10W
R673	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R674	1-216-845-11	METAL CHIP	100K	5%	1/10W
R701	1-216-821-11	METAL CHIP	1K	5%	1/10W
R702	1-216-841-11	METAL CHIP	47K	5%	1/10W
R703	1-216-833-11	METAL CHIP	10K	5%	1/10W
R704	1-216-833-11	METAL CHIP	10K	5%	1/10W
R705	1-249-425-11	CARBON	4.7K	5%	1/4W
R706	1-216-841-11	METAL CHIP	47K	5%	1/10W
R707	1-216-841-11	METAL CHIP	47K	5%	1/10W
R708	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R709	1-216-833-11	METAL CHIP	10K	5%	1/10W
R710	1-249-425-11	CARBON	4.7K	5%	1/4W
R711	1-216-845-11	METAL CHIP	100K	5%	1/10W
R712	1-216-837-11	METAL CHIP	22K	5%	1/10W
R714	1-216-821-11	METAL CHIP	1K	5%	1/10W
R922	1-216-833-11	METAL CHIP	10K	5%	1/10W
R923	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R924	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R950	1-216-833-11	METAL CHIP	10K	5%	1/10W
R951	1-216-833-11	METAL CHIP	10K	5%	1/10W
		< SWITCH >			
S103	1-786-826-11	SWITCH, TACTILE (RESET)			
S501	1-571-478-11	SWITCH, SLIDE (FREQUENCY SELECT) (R5810)			
		< TRANSFORMER >			
T620	1-443-704-11	TRANSFORMER, DC-DC CONVERTER			
		< THERMISTOR (POSITIVE) >			
TH400	1-803-350-21	THERMISTOR, POSITIVE			

Ref. No.	Part No.	Description	Remark
		< TUNER >	
TU1	A-3220-961-A	TUNER UNIT (TUX-032)	
		< VIBRATOR >	
X50	1-813-173-11	VIBRATOR, CRYSTAL (8.66MHz) (R6750)	
X501	1-813-524-21	VIBRATOR, CERAMIC (18.432MHz)	
X502	1-813-202-11	VIBRATOR, CRYSTAL (32.768kHz)	
**********			
		PRESET BOARD	
		**********	
		< CONNECTOR >	
CN905	1-785-616-21	CONNECTOR, FPC (0.5mm PITCH) 6P	
		< SURGE ABSORBER >	
CP901	1-805-043-11	ABSORBER, CHIP SURGE	
		< SWITCH >	
LSW903	1-786-805-11	SWITCH, TACTILE (WITH LED) (SOURCE)	(R5810/R6750)
LSW903	1-786-807-11	SWITCH, TACTILE (WITH LED) (SOURCE)	(R5715X)
LSW904	1-786-805-11	SWITCH, TACTILE (WITH LED) (MODE)	(R5810/R6750)
LSW904	1-786-807-11	SWITCH, TACTILE (WITH LED) (MODE)	(R5715X)
LSW905	1-786-805-11	SWITCH, TACTILE (WITH LED) (1/REP)	(R5810/R6750)
LSW905	1-786-807-11	SWITCH, TACTILE (WITH LED) (1/REP)	(R5715X)
LSW906	1-786-805-11	SWITCH, TACTILE (WITH LED) (2/SHUF)	(R5810/R6750)
LSW906	1-786-807-11	SWITCH, TACTILE (WITH LED) (2/SHUF)	(R5715X)
LSW907	1-786-805-11	SWITCH, TACTILE (WITH LED) (3)	(R5810/R6750)
LSW907	1-786-807-11	SWITCH, TACTILE (WITH LED) (3) (R5715X)	
LSW908	1-786-805-11	SWITCH, TACTILE (WITH LED) (4)	(R5810/R6750)
LSW908	1-786-807-11	SWITCH, TACTILE (WITH LED) (4) (R5715X)	
LSW909	1-786-805-11	SWITCH, TACTILE (WITH LED) (5/BBE MP)	(R5810/R6750)
LSW909	1-786-807-11	SWITCH, TACTILE (WITH LED) (5/BBE MP)	(R5715X)
LSW910	1-786-805-11	SWITCH, TACTILE (WITH LED) (6)	(R5810/R6750)
LSW910	1-786-807-11	SWITCH, TACTILE (WITH LED) (6) (R5715X)	
LSW911	1-786-805-11	SWITCH, TACTILE (WITH LED) (DSPL) (R5810)	
LSW911	1-786-805-11	SWITCH, TACTILE (WITH LED) (AF/TA) (R6750)	
LSW911	1-786-807-11	SWITCH, TACTILE (WITH LED) (DSPL)	(R5715X)
LSW912	1-786-805-11	SWITCH, TACTILE (WITH LED) (GP/PRESET –)	(R5810/R6750)
LSW912	1-786-807-11	SWITCH, TACTILE (WITH LED) (GP/PRESET –)	(R5715X)
LSW913	1-786-805-11	SWITCH, TACTILE (WITH LED) (GP/PRESET +)	(R5810/R6750)
LSW913	1-786-807-11	SWITCH, TACTILE (WITH LED) (GP/PRESET +)	(R5715X)

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R903	1-216-819-11	METAL CHIP	680	5%	1/10W
R904	1-216-821-11	METAL CHIP	1K	5%	1/10W
R905	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R906	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R907	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R908	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R909	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R910	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R911	1-216-833-11	METAL CHIP	10K	5%	1/10W
R912	1-216-835-11	METAL CHIP	15K	5%	1/10W
R930	1-216-813-11	METAL CHIP	220	5%	1/10W (R5715X)
R930	1-216-815-11	METAL CHIP	330	5%	1/10W (R5810/R6750)
R931	1-216-811-11	METAL CHIP	150	5%	1/10W (R5715X)
R931	1-216-813-11	METAL CHIP	220	5%	1/10W (R5810/R6750)
R932	1-216-811-11	METAL CHIP	150	5%	1/10W (R5715X)
R932	1-216-813-11	METAL CHIP	220	5%	1/10W (R5810/R6750)
R933	1-216-811-11	METAL CHIP	150	5%	1/10W (R5715X)
R933	1-216-813-11	METAL CHIP	220	5%	1/10W (R5810/R6750)
R934	1-216-811-11	METAL CHIP	150	5%	1/10W (R5715X)
R934	1-216-813-11	METAL CHIP	220	5%	1/10W (R5810/R6750)
R935	1-216-811-11	METAL CHIP	150	5%	1/10W (R5715X)
R935	1-216-813-11	METAL CHIP	220	5%	1/10W (R5810/R6750)
R936	1-216-811-11	METAL CHIP	150	5%	1/10W (R5715X)
R936	1-216-813-11	METAL CHIP	220	5%	1/10W (R5810/R6750)
R937	1-216-811-11	METAL CHIP	150	5%	1/10W (R5715X)
R937	1-216-813-11	METAL CHIP	220	5%	1/10W (R5810/R6750)
R938	1-216-811-11	METAL CHIP	150	5%	1/10W (R5715X)
R938	1-216-813-11	METAL CHIP	220	5%	1/10W (R5810/R6750)
R939	1-216-811-11	METAL CHIP	150	5%	1/10W (R5715X)
R939	1-216-813-11	METAL CHIP	220	5%	1/10W (R5810/R6750)
R940	1-216-811-11	METAL CHIP	150	5%	1/10W (R5715X)
R940	1-216-813-11	METAL CHIP	220	5%	1/10W (R5810/R6750)
R941	1-216-811-11	METAL CHIP	150	5%	1/10W (R5810/R6750)
R941	1-216-815-11	METAL CHIP	330	5%	1/10W (R5715X)
R942	1-216-811-11	METAL CHIP	150	5%	1/10W

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Ref. No.	Part No.	Description			Remark
		SENSOR BOARD			
		**********			
		< SWITCH >			
SW2	1-529-566-61	SWITCH, PUSH (1 KEY) (SELF)			
SW3	1-529-566-61	SWITCH, PUSH (1 KEY) (DISC IN)			

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	A-1075-784-A	SERVO BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C4	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C5	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C6	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C7	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C9	1-104-609-11	ELECT CHIP	100uF	20%	4V
C10	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C13	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C16	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C17	1-162-925-11	CERAMIC CHIP	68PF	5%	50V
C18	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C19	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C20	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C21	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C22	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C23	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C24	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C27	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C28	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C29	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C31	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C32	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C33	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C34	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C35	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C36	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C37	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C38	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C39	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C40	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C41	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C42	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C43	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C45	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C47	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C48	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C49	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C51	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C52	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C53	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C57	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C58	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C59	1-126-208-21	ELECT CHIP	47uF	20%	4V
C60	1-112-195-11	ELECT	47uF	20%	4V
C61	1-126-208-21	ELECT CHIP	47uF	20%	4V
C62	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C64	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V

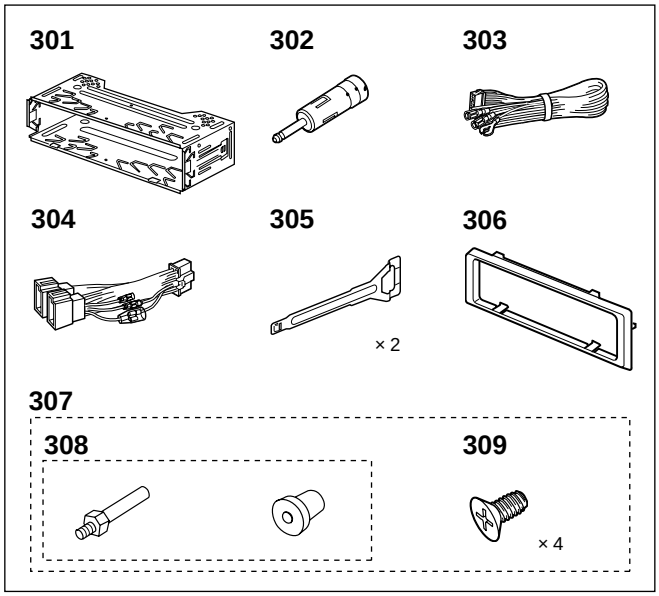
SERVO

Ref. No.	Part No.	Description			Remark
C65	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C67	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C72	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C80	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C101	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C102	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C103	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C105	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C106	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
		< CONNECTOR >			
CN1	1-815-016-21	CONNECTOR, FFC/FPC (ZIF) 16P			
CN2	1-817-275-21	CONNECTOR, BOARD TO BOARD 28P			
		< JUMPER RESISTOR >			
FB2	1-216-864-11	SHORT CHIP	0		
FB3	1-216-864-11	SHORT CHIP	0		
FB4	1-216-864-11	SHORT CHIP	0		
		< IC >			
IC1	6-707-327-01	IC BA5968FP-E2			
IC2	6-707-328-01	IC TC94A60MFG-301			
IC3	6-805-086-02	IC MB90487APFV-G-142-BNDE1			
IC6	6-705-364-01	IC R1114N151D-TR-FA			
		< TRANSISTOR >			
Q1	8-729-904-87	TRANSISTOR 2SB1197K-R			
Q2	8-729-904-87	TRANSISTOR 2SB1197K-R			
Q3	8-729-928-90	TRANSISTOR DTC114EE			
		< RESISTOR >			
R1	1-218-941-81	RES-CHIP	100	5%	1/16W
R2	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R3	1-208-912-11	METAL CHIP	11K	0.5%	1/16W
R4	1-218-969-11	RES-CHIP	22K	5%	1/16W
R5	1-218-969-11	RES-CHIP	22K	5%	1/16W
R6	1-218-929-11	RES-CHIP	10	5%	1/16W
R7	1-218-929-11	RES-CHIP	10	5%	1/16W
R8	1-218-967-11	RES-CHIP	15K	5%	1/16W
R9	1-218-967-11	RES-CHIP	15K	5%	1/16W
R10	1-218-965-11	RES-CHIP	10K	5%	1/16W
R11	1-218-965-11	RES-CHIP	10K	5%	1/16W
R12	1-218-977-11	RES-CHIP	100K	5%	1/16W
R13	1-218-969-11	RES-CHIP	22K	5%	1/16W
R16	1-218-967-11	RES-CHIP	15K	5%	1/16W
R17	1-218-973-11	RES-CHIP	47K	5%	1/16W
R19	1-218-967-11	RES-CHIP	15K	5%	1/16W
R21	1-218-973-11	RES-CHIP	47K	5%	1/16W
R22	1-218-990-11	SHORT CHIP	0		
R23	1-218-979-11	RES-CHIP	150K	5%	1/16W
R24	1-218-962-11	RES-CHIP	5.6K	5%	1/16W
R25	1-218-990-11	SHORT CHIP	0		
R26	1-218-941-81	RES-CHIP	100	5%	1/16W
R28	1-218-947-11	RES-CHIP	330	5%	1/16W
R40	1-218-941-81	RES-CHIP	100	5%	1/16W
R41	1-218-977-11	RES-CHIP	100K	5%	1/16W
R42	1-218-977-11	RES-CHIP	100K	5%	1/16W
R43	1-218-941-81	RES-CHIP	100	5%	1/16W

Ref. No.	Part No.	Description			Remark
R44	1-218-941-81	RES-CHIP	100	5%	1/16W
R45	1-218-989-11	RES-CHIP	1M	5%	1/16W
R46	1-218-947-11	RES-CHIP	330	5%	1/16W
R47	1-218-977-11	RES-CHIP	100K	5%	1/16W
R48	1-218-941-81	RES-CHIP	100	5%	1/16W
R49	1-218-941-81	RES-CHIP	100	5%	1/16W
R50	1-218-941-81	RES-CHIP	100	5%	1/16W
R51	1-218-941-81	RES-CHIP	100	5%	1/16W
R52	1-218-945-11	RES-CHIP	220	5%	1/16W
R53	1-218-941-81	RES-CHIP	100	5%	1/16W
R54	1-218-941-81	RES-CHIP	100	5%	1/16W
R55	1-218-977-11	RES-CHIP	100K	5%	1/16W
R56	1-218-941-81	RES-CHIP	100	5%	1/16W
R57	1-218-941-81	RES-CHIP	100	5%	1/16W
R58	1-218-941-81	RES-CHIP	100	5%	1/16W
R59	1-218-977-11	RES-CHIP	100K	5%	1/16W
R60	1-218-977-11	RES-CHIP	100K	5%	1/16W
R61	1-218-977-11	RES-CHIP	100K	5%	1/16W
R62	1-218-977-11	RES-CHIP	100K	5%	1/16W
R63	1-218-977-11	RES-CHIP	100K	5%	1/16W
R64	1-218-977-11	RES-CHIP	100K	5%	1/16W
R65	1-218-941-81	RES-CHIP	100	5%	1/16W
R66	1-218-941-81	RES-CHIP	100	5%	1/16W
R67	1-218-941-81	RES-CHIP	100	5%	1/16W
R68	1-218-941-81	RES-CHIP	100	5%	1/16W
R69	1-218-941-81	RES-CHIP	100	5%	1/16W
R70	1-218-941-81	RES-CHIP	100	5%	1/16W
R71	1-220-804-11	RES-CHIP	2.2M	5%	1/16W
R72	1-218-941-81	RES-CHIP	100	5%	1/16W
R73	1-218-973-11	RES-CHIP	47K	5%	1/16W
R74	1-218-941-81	RES-CHIP	100	5%	1/16W
R77	1-218-941-81	RES-CHIP	100	5%	1/16W
R78	1-218-941-81	RES-CHIP	100	5%	1/16W
R80	1-218-941-81	RES-CHIP	100	5%	1/16W
R81	1-218-973-11	RES-CHIP	47K	5%	1/16W
R82	1-218-973-11	RES-CHIP	47K	5%	1/16W
R83	1-218-973-11	RES-CHIP	47K	5%	1/16W
R84	1-218-953-11	RES-CHIP	1K	5%	1/16W
R86	1-218-969-11	RES-CHIP	22K	5%	1/16W
R90	1-218-941-81	RES-CHIP	100	5%	1/16W
R91	1-218-941-81	RES-CHIP	100	5%	1/16W
R100	1-220-200-81	RES-CHIP	30K	5%	1/16W
R101	1-218-971-11	RES-CHIP	33K	5%	1/16W
R112	1-218-990-11	SHORT CHIP	0		
R113	1-218-990-11	SHORT CHIP	0		
R116	1-218-977-11	RES-CHIP	100K	5%	1/16W
R117	1-218-977-11	RES-CHIP	100K	5%	1/16W
R118	1-218-977-11	RES-CHIP	100K	5%	1/16W
R119	1-218-977-11	RES-CHIP	100K	5%	1/16W
R120	1-218-990-11	SHORT CHIP	0		
R121	1-218-990-11	SHORT CHIP	0		
R122	1-218-990-11	SHORT CHIP	0		
R123	1-218-990-11	SHORT CHIP	0		
R125	1-218-941-81	RES-CHIP	100	5%	1/16W
R126	1-218-941-81	RES-CHIP	100	5%	1/16W
R127	1-218-941-81	RES-CHIP	100	5%	1/16W
R128	1-218-941-81	RES-CHIP	100	5%	1/16W
R131	1-216-864-11	SHORT CHIP	0		

Ref. No.	Part No.	Description	Remark
R132	1-218-962-11	RES-CHIP 5.6K 5%	1/16W
		< SWITCH >	
SW1	1-529-565-61	SWITCH, PUSH (1 KEY) (DOWN)	
		< VIBRATOR >	
X1	1-813-371-21	VIBRATOR, CERAMIC (12MHz)	
X2	1-795-561-21	VIBRATOR, CERAMIC (16.9344MHz)	
**********			
		MISCELLANEOUS	
		**********	
6	1-776-207-72	CORD (WITH CONNECTOR) (POWER)	(R5715X/R5810)
6	1-776-527-71	CORD (WITH CONNECTOR) (ISO) (POWER)	(R6750)
9	1-790-355-54	CORD (WITH CONNECTOR) (RCA)	(SUB OUT (MONO))
57	1-830-258-11	CABLE, FLEXIBLE FLAT (6 CORE)	
⚠153	8-820-207-12	OPTICAL PICK-UP (KSS1000E/K1RP)	
154	A-1075-787-A	CHASSIS (OP) SUB ASSY (including M901)	
F901	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A	
M902	A-3337-638-A	MOTOR ASSY, SL (SLED)	
M903	A-1075-792-A	MOTOR ASSY, LE (LOADING)	
SW4	1-571-099-11	SWITCH (1 KEY) (LIMIT)	
**********			
		ACCESSORIES	
		**********	
	1-479-077-32	REMOTE COMMANDER (RM-X153) (R5715X)	
	1-479-077-52	REMOTE COMMANDER (RM-X155) (R6750)	
	1-479-077-72	REMOTE COMMANDER (RM-X157) (R5810)	
	2-348-415-11	MANUAL, INSTRUCTION (ENGLISH,FRENCH)	(R5715X)
	2-348-415-21	MANUAL, INSTRUCTION (ENGLISH,GERMAN, FRENCH,ITALIAN,DUTCH) (R6750)	
	2-348-415-31	MANUAL, INSTRUCTION (ENGLISH,SPANISH, TRADITIONAL CHINESE) (R5810)	
	2-348-416-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH, FRENCH) (R5715X)	
	2-348-416-21	MANUAL, INSTRUCTION, INSTALL (ENGLISH, GERMAN,FRENCH,ITALIAN,DUTCH) (R6750)	
	2-348-416-31	MANUAL, INSTRUCTION, INSTALL (ENGLISH, SPANISH,TRADITIONAL CHINESE) (R5810)	
	2-548-729-01	LID, BATTERY CASE (for RM-X153/X155/X157)	
	X-2050-189-3	CASE ASSY (for FRONT PANEL)	
**********			

Ref. No.	Part No.	Description	Remark
		PARTS FOR INSTALLATION AND CONNECTIONS	
		**********	
301	X-3382-647-1	FRAME ASSY, FITTING	
302	1-465-459-41	ADAPTOR, ANTENNA (R6750)	
303	1-776-207-72	CORD (WITH CONNECTOR) (POWER)	(R5715X/R5810)
304	1-776-527-71	CORD (WITH CONNECTOR) (ISO) (POWER)	(R6750)
305	3-246-011-01	KEY (FRAME)	
306	2-187-150-02	COLLAR	
307	A-1082-993-A	SCREW ASSY (BS4), FITTING (R5810)	
308	X-3366-972-2	SCREW ASSY (EXP), FITTING (R6750)	
309	3-259-776-01	SCREW (+K 5X8 TP) (R5715X/R5810)	



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

MEMO

CDX-R5715X/R5810/R6750

SONY

SERVICE MANUAL

Ver. 1.1 2005.07

US Model
Canadian Model
CDX-R5715X
AEP Model
UK Model
CDX-R6750
E Model
CDX-R5810

SUPPLEMENT-1

File this supplement with the service manual.

Subject : Change of CD mechanism.

This model provides two types of CD mechanisms.
Check the label on the chassis (T) when servicing the CD mechanism.

DISCRIMINATION

D T A □ □ □ □ □ □ □ □

Model Name

Factory
D : MG-611TA-186//K (Refer to Service Manual)
E : MG-611TA-186//C (Refer to Supplement-1)

9-879-544-81

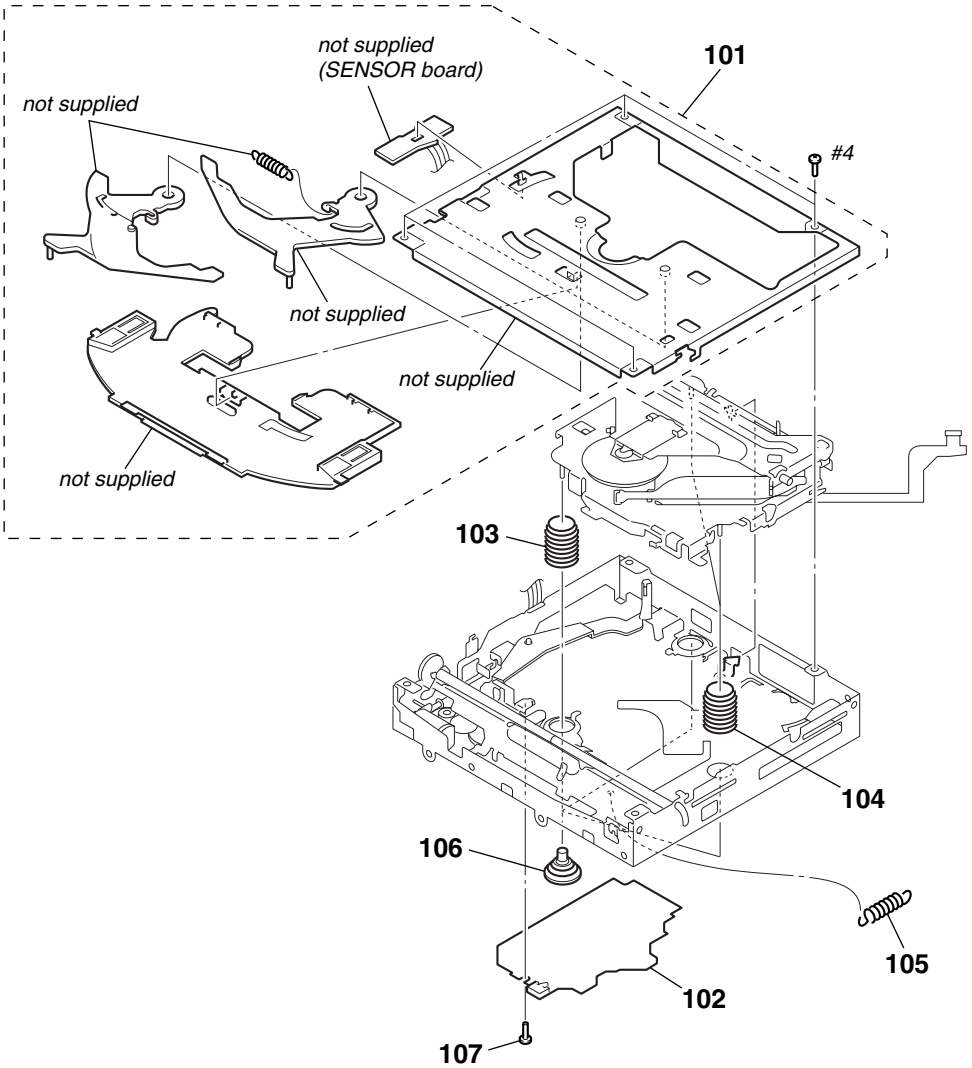
EXPLODED VIEWS

NOTE:
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example :
  KNOB, BALANCE (WHITE) ... (RED)
  ↑ Parts Color ↑ Cabinet's Color
- Accessories are given in the last of this parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

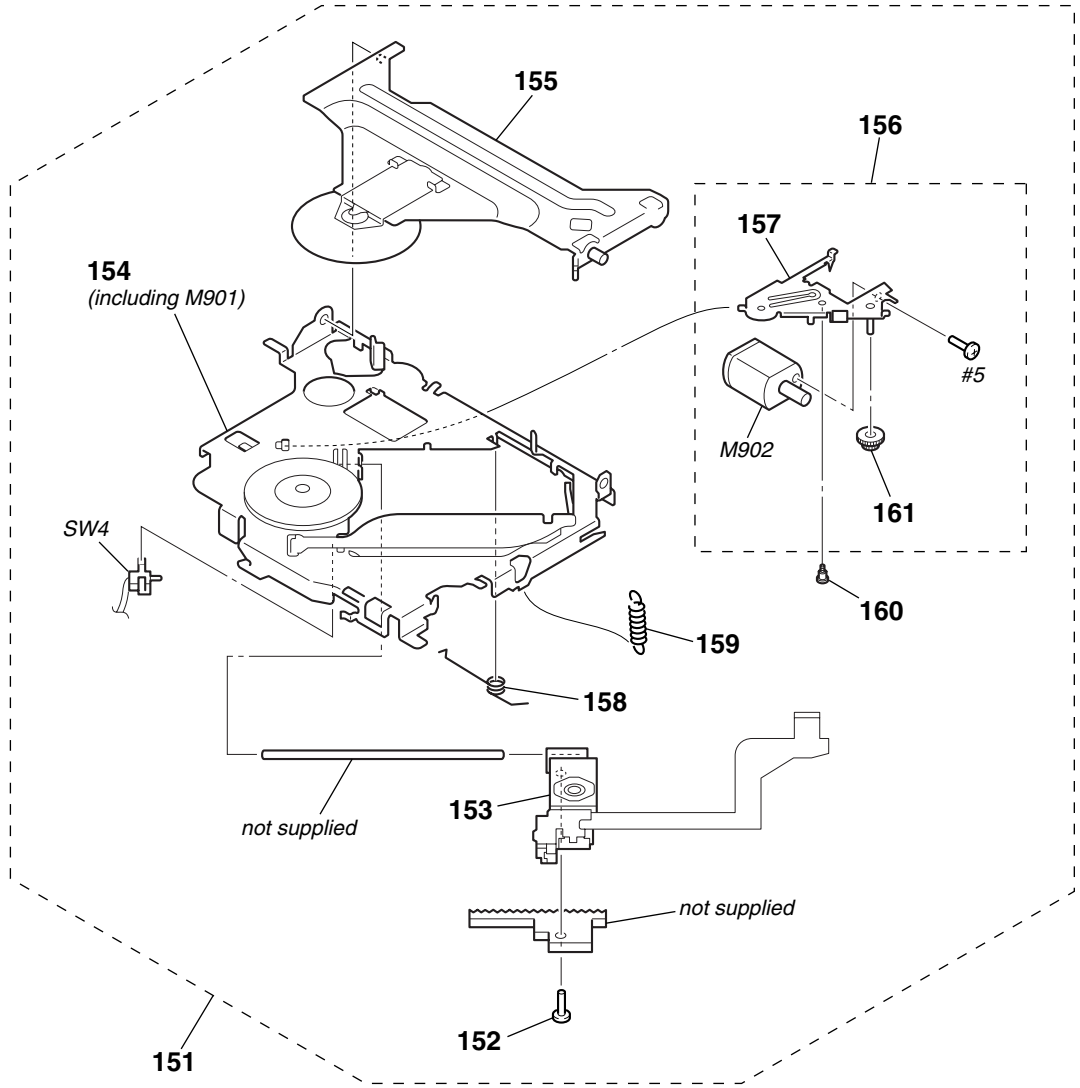
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

1. CD MECHANISM SECTION (1) (MG-611TA-186//C)



Ref. No.	Part No.	Description	Remark
101	A-1088-624-A	CHASSIS (T) SUB ASSY	
102	A-1092-999-A	SERVO BOARD, COMPLETE	
103	2-345-865-11	SPRING (DAMPER), COMPRESSION (BLACK)	
104	2-345-865-01	SPRING (DAMPER), COMPRESSION (NATURAL)	
105	2-345-767-21	SPRING (KF60), TENSION	
106	3-253-748-11	DAMPER (S)	
107	3-352-758-31	SCREW (M1.7X2.5), TOOTHED LOCK	
#4	7-627-552-87	SCREW, PRECISION +P 1.7X2.2	

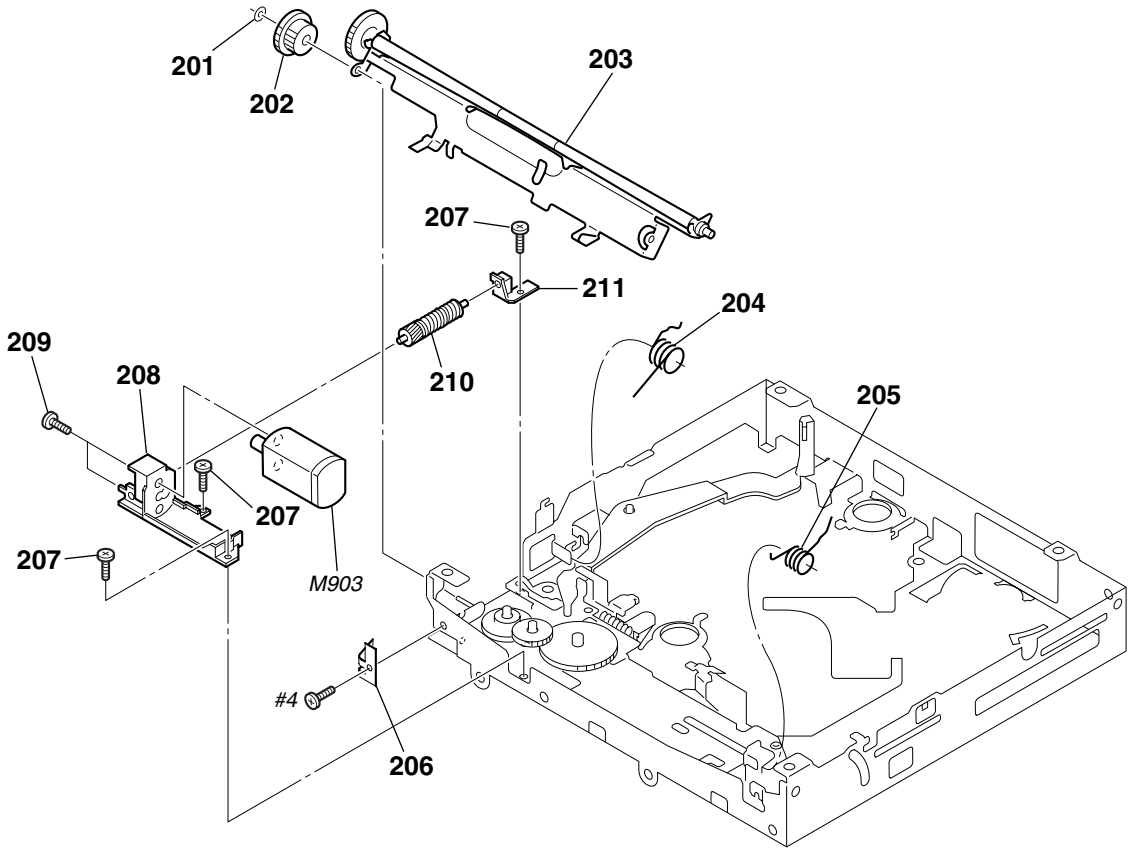
2. CD MECHANISM SECTION (2)
(MG-611TA-186//C)



Ref. No.	Part No.	Description	Remark
151	A-1088-612-A	CHASSIS (OP) COMPLETE ASSY	
152	3-316-938-91	SCREW (B1.4X5), TAPPING	
⚠153	8-820-207-12	OPTICAL PICK-UP (KSS1000E/K1RP)	
154	A-1088-615-A	CHASSIS (OP) SUB ASSY (including M901)	
155	A-1088-616-A	ARM SUB ASSY, CHUCKING	
156	A-1088-613-A	LEVER (SL) SUB ASSY	
157	X-2024-784-2	LEVER (SL) ASSY	

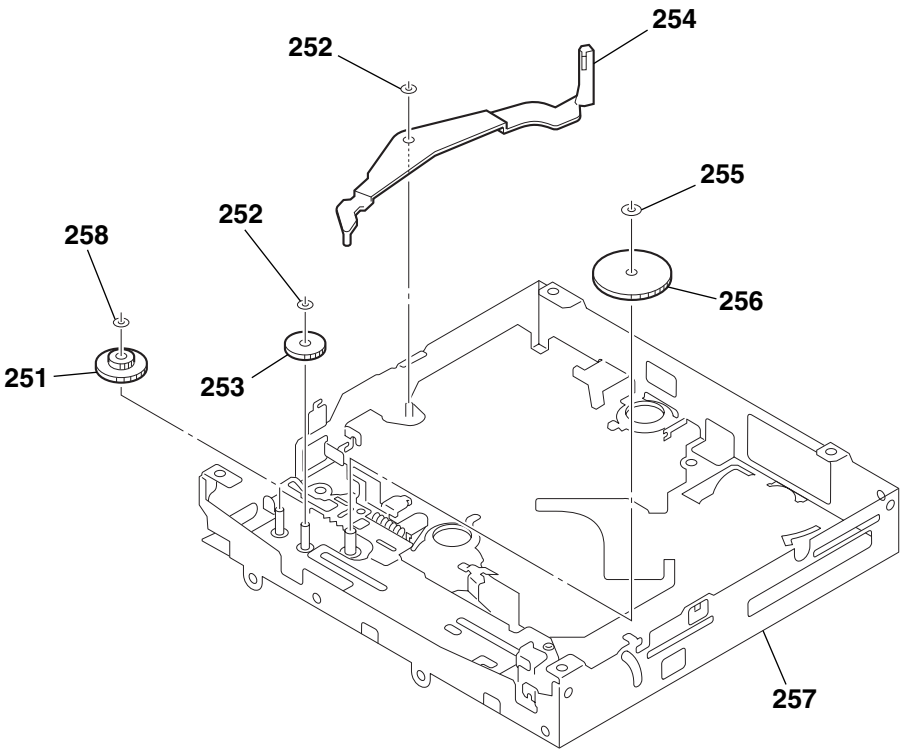
Ref. No.	Part No.	Description	Remark
158	3-261-959-21	SPRING (SL), TORSION	
159	3-253-736-21	SPRING (CHKG), TENSION	
160	3-264-165-21	SCREW	
161	3-253-742-21	WHEEL (SL), WORM	
M902	A-1088-614-A	MOTOR ASSY, SL (SLED)	
SW4	1-571-099-11	SWITCH (1 KEY) (LIMIT)	
#5	7-627-850-77	SCREW, PRECISION +P 1.4X1.8	

3. CD MECHANISM SECTION (3)
(MG-611TA-186//C)



Ref. No.	Part No.	Description	Remark
201	3-262-755-11	WASHER (1.1-2.5)	
202	2-186-699-21	GEAR (RA1)	
203	A-1088-618-A	ARM ASSY, ROLLER	
204	3-259-455-21	SPRING (RAL)	
205	3-253-713-21	SPRING (RAR)	
206	3-259-469-21	SPRING (LE), LEAF	
207	2-134-636-51	SCREW (M1.7X2.5)	
208	2-186-696-21	BRACKET (LEM-N)	
209	3-345-648-91	SCREW (M1.4), TOOTHED LOCK	
210	A-1088-623-A	GEAR (LE) ASSY	
211	2-186-697-21	BEARING (LEB-N)	
M903	A-1088-622-A	MOTOR ASSY, LE (LOADING)	
#4	7-627-552-87	SCREW, PRECISION +P 1.7X2.2	

4. CD MECHANISM SECTION (4)
(MG-611TA-186//C)



Ref. No.	Part No.	Description	Remark
251	2-186-700-21	GEAR (CHK1)	
252	3-344-223-01	WASHER	
253	3-259-470-22	GEAR (LE1)	
254	3-253-755-21	LEVER (D)	
255	3-899-829-01	WASHER (SLIT)	
256	2-590-545-21	GEAR (LE2-M)	
257	A-1088-620-A	CHASSIS (M) BLOCK ASSY	
258	3-262-755-11	WASHER (1.1-2.5)	

REVISION HISTORY

Clicking the version allows you to jump to the revised page.
Also, clicking the version at the upper on the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision
1.0	2005.02	New
1.1	2005.07	Change of CD mechanism. (Supplement-1) (ECN-ECB00626)